

# DPX MCCBs from 16 to 250 A

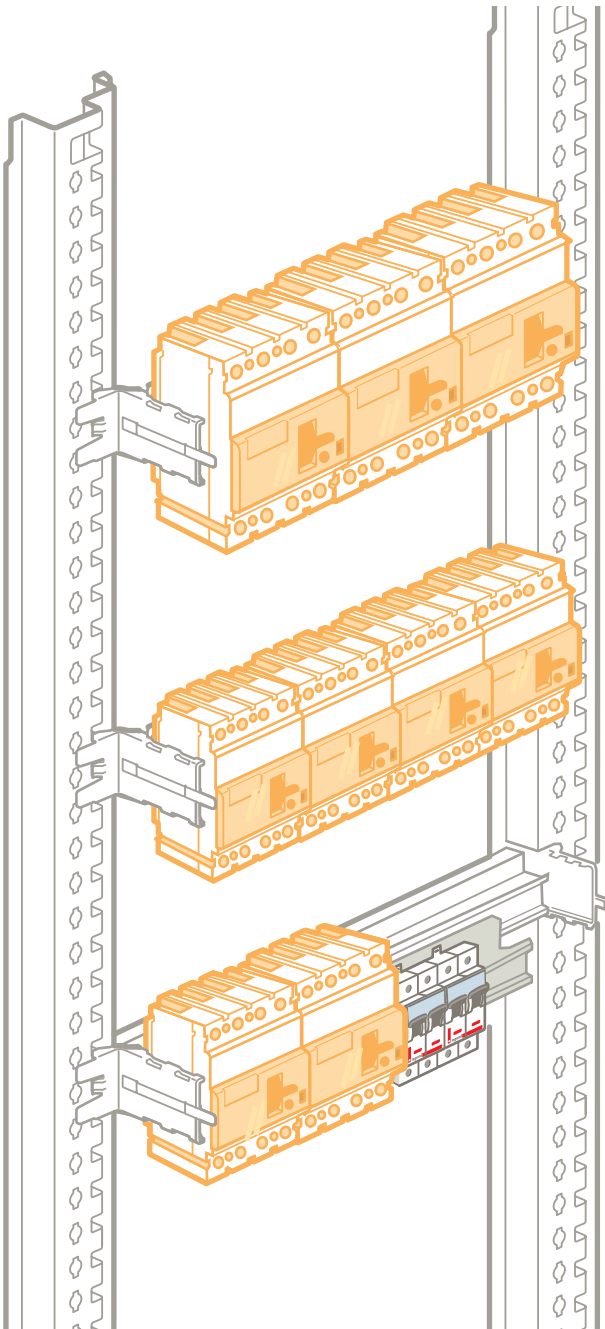
"Moulded case" thermal-magnetic DRX 100 and 250, DPX 125, 160 and 250 ER  
MCCBs protect and control circuits up to 250 A

## The ranges

**THE PRODUCTS**

- DRX
  - 2 SIZES OF UNIT  
100 and 250
  - 3 BREAKING CAPACITIES
  - THERMAL-MAGNETIC RELEASES
- DPX
  - 3 SIZES OF UNIT  
125, 160, 250 ER
  - 4 BREAKING CAPACITIES  
16, 25, 36, 50 kA
  - THERMAL-MAGNETIC RELEASES
  - 2 VERSIONS
    - Fixed: in standard and XL-Part optimised distribution solutions
    - Plug-in (DPX 250 ER): in standard distribution solutions
  - 3 INSTALLATION METHODS  
On rail, plate or XL-Part 400 and 250 row distribution block
  - EQUIPEMENT
    - Rear terminals
    - Rotary handle
    - Motor-driven handle
    - Plug-in version (DPX 250 ER)
    - Earth leakage module
    - Terminal shield



## Supply inverter version (DPX)

- DPX 160 and 250 ER can be mounted as supply inverters on special plates with mechanical interlock
- The automation control unit and the motor-driven handles can be used to create totally automatic inverters

## Installation principle (DPX)

DPX 16 to 250 A can be mounted in 3 different ways:

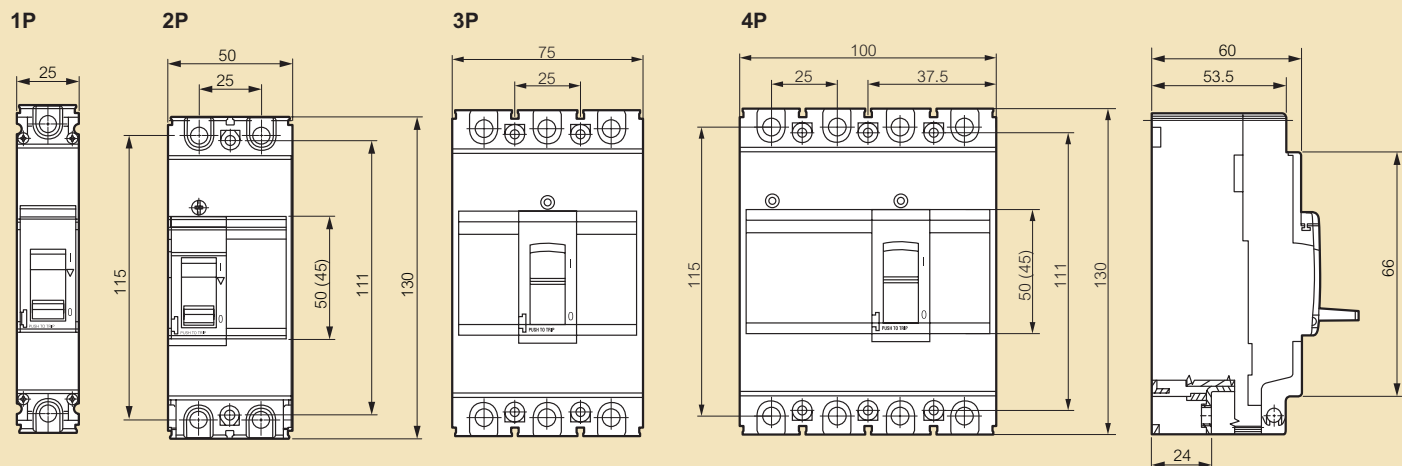
- **On rail for fixed versions**  
Mounted in vertical position with or without side-mounted add-on module
- **On plate for fixed or plug-in versions**  
Mounted in vertical or horizontal position with or without add-on module
- **On XL-Part row distribution block for fixed versions**  
Mounted in vertical position with or without side-mounted add-on module

## LEGRAND ADVANTAGES

- 1 device = 1 catalogue number
- Mounting under modular faceplate whatever distribution solutions are used
- Auxiliaries that are common to the entire range Mounted on front panel

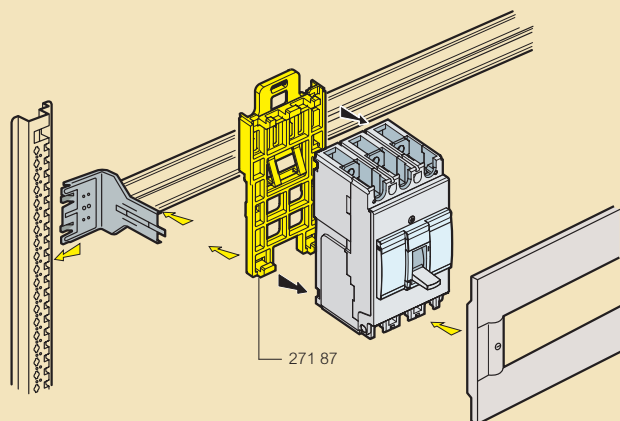
- See the on-line catalogue: instructions, technical data sheets, etc.
- Come and be trained at Innoval see p. 409

## ■ Dimensions

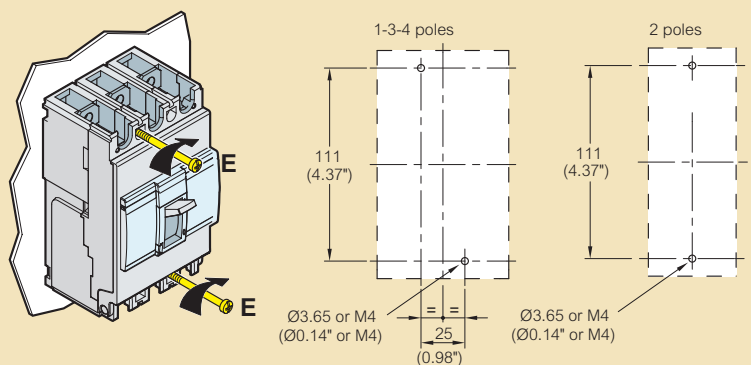


## ■ Mounting

### Mounting on DIN rail with plate

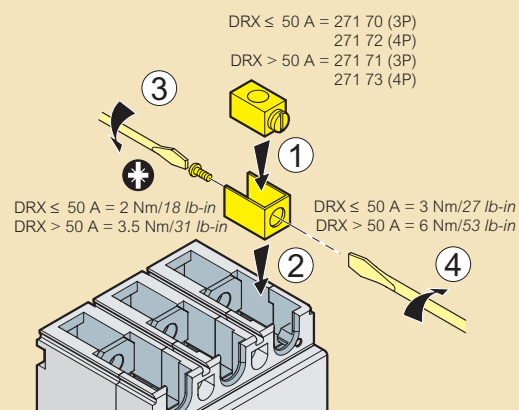


### Fixing on plate



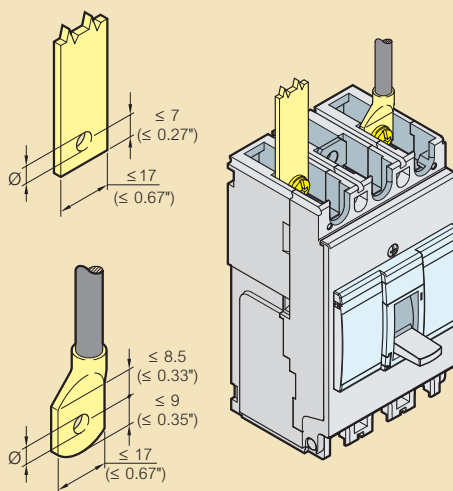
## ■ Connection

### Connection via cable



| DRX ≤ 50 A                                                                                                      | DRX > 50 A                                                                                              |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Flexible<br>2.5 → 16 mm <sup>2</sup><br>#14 → #6 AWG<br>or<br>Solid<br>2.5 → 25 mm <sup>2</sup><br>#14 → #4 AWG | Flexible<br>10 → 35 mm <sup>2</sup><br>#8 → #2 AWG<br>Solid<br>10 → 50 mm <sup>2</sup><br>#8 → #1/0 AWG |
|                                                                                                                 |                                                                                                         |
| 2.5 to 4 mm <sup>2</sup> #14 to #10 AWG flexible cables connection via crimped end-barrels                      |                                                                                                         |

### Connection via busbar



| DRX ≤ 50 A          | DRX > 50 A          | DRX ≤ 50 A            | DRX > 50 A              |
|---------------------|---------------------|-----------------------|-------------------------|
| Ø<br>5.5 mm / 0.21" | Ø<br>8.5 mm / 0.33" | M5<br>2 Nm / 18 lb-in | M8<br>5.5 Nm / 49 lb-in |

# DRX™ 250

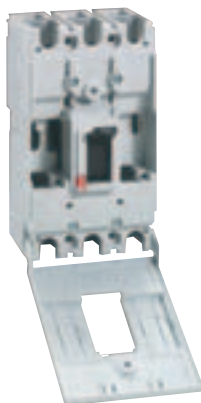
thermal magnetic MCCBs from 125 to 250 A



271 06



271 04



271 12 (captive cover)



271 88



271 74



271 80



Technical characteristics and curves (p. 61)

For switching, control, isolation and protection of low-voltage electrical lines  
Can be fitted with auxiliaries

Supplied with:

- M8 terminals
- Fixing screws
- Insulating shields (2 for 3P and 3 for 4P)

Fixed thermal and magnetic

Conform to IEC 60947-2

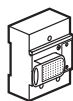
| Pack | Cat.Nos |        | DRX 250                                     |
|------|---------|--------|---------------------------------------------|
|      | 3P      | 4P     |                                             |
| 1    | 271 00  | 271 06 | <b>Breaking capacity Icu 18 kA (415 V~)</b> |
| 1    | 271 01  | 271 07 | In                                          |
| 1    | 271 02  | 271 08 | 125 A                                       |
| 1    | 271 03  | 271 09 | 150 A                                       |
| 1    | 271 04  | 271 10 | 175 A                                       |
| 1    | 271 05  | 271 11 | 200 A                                       |
| 1    |         |        | 225 A                                       |
| 1    |         |        | 250 A                                       |
|      |         |        | <b>Breaking capacity Icu 25 kA (415 V~)</b> |
|      |         |        | In                                          |
| 1    | 271 12  | 271 18 | 125 A                                       |
| 1    | 271 13  | 271 19 | 150 A                                       |
| 1    | 271 14  | 271 20 | 175 A                                       |
| 1    | 271 15  | 271 21 | 200 A                                       |
| 1    | 271 16  | 271 22 | 225 A                                       |
| 1    | 271 17  | 271 23 | 250 A                                       |
|      |         |        | <b>Breaking capacity Icu 36 kA (415 V~)</b> |
|      |         |        | In                                          |
| 1    | 271 24  | 271 30 | 125 A                                       |
| 1    | 271 25  | 271 31 | 150 A                                       |
| 1    | 271 26  | 271 32 | 175 A                                       |
| 1    | 271 27  | 271 33 | 200 A                                       |
| 1    | 271 28  | 271 34 | 225 A                                       |
| 1    | 271 29  | 271 35 | 250 A                                       |

| Pack | Cat.Nos | Mounting on rail                     |
|------|---------|--------------------------------------|
| 1    | 271 88  | Plate for fixing DRX 250 on DIN rail |



## Rotary handles

| Pack | Cat.Nos | Direct on DRX   |
|------|---------|-----------------|
| 1    | 271 78  | Standard (grey) |



## Vari-depth handle

Comprising: connecting rod, bracket, drilling template, mounting accessories, door locking mechanism

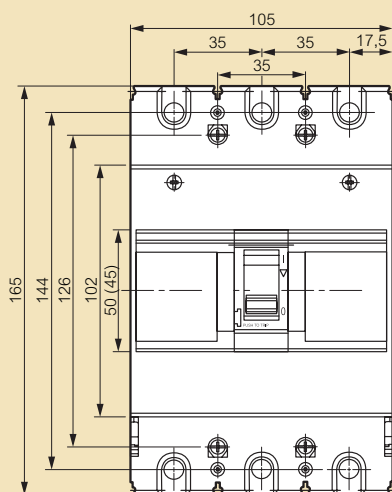
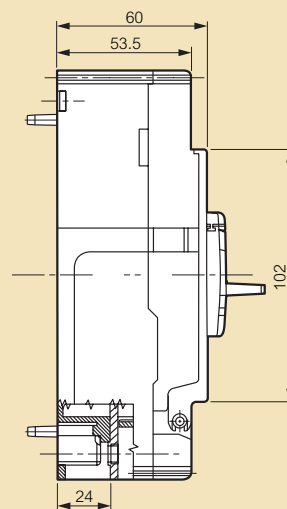
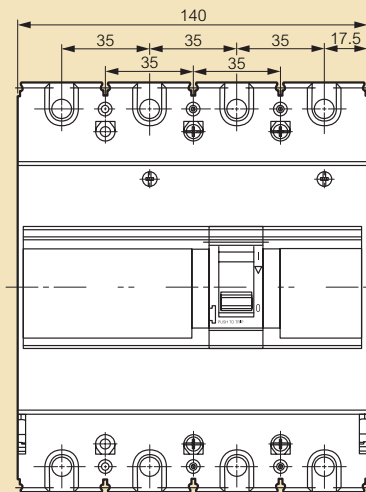
| Pack | Cat.Nos | Standard (grey) |
|------|---------|-----------------|
| 1    | 271 79  |                 |

| Pack | Cat.Nos |        | Connection accessories                           |
|------|---------|--------|--------------------------------------------------|
|      | 3P      | 4P     |                                                  |
| 1    | 271 81  |        | <b>Insulating shields</b>                        |
| 1    |         | 271 82 | Used to isolate the connection between each pole |
|      |         |        | Set of 2                                         |
|      |         |        | Set of 3                                         |
| 1    | 271 85  | 271 86 | <b>Sealable terminal shields</b>                 |
|      |         |        | Set of 2                                         |
| 1    | 271 74  | 271 75 | <b>Cage terminals</b>                            |
|      |         |        | Up to 250 A                                      |
| 1    | 271 80  |        | <b>Padlock</b>                                   |
|      |         |        | For locking in "off" position                    |

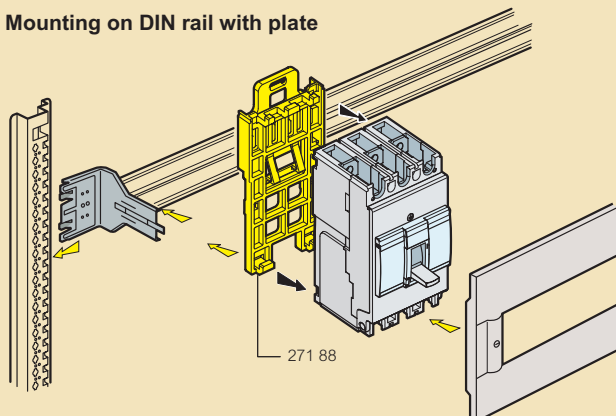
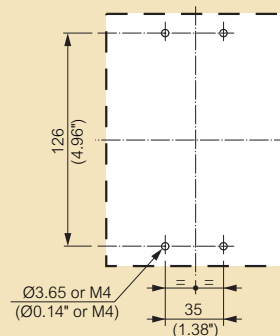
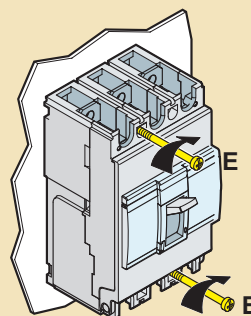
| Pack | Cat.Nos | Electrical accessories           |
|------|---------|----------------------------------|
|      |         | <b>Auxiliary contact blocks</b>  |
|      |         | For left-hand side mounting      |
| 1    | 271 40  | Block with 1 auxiliary           |
| 1    | 271 41  | Block with 1 alarm               |
| 1    | 271 42  | Block with 1 auxiliary + 1 alarm |
|      |         | <b>Shunt trips</b>               |
| 1    | 271 50  | 12 V~ and ~                      |
| 1    | 271 51  | 24 V~ and ~                      |
| 1    | 271 52  | 48 V~ and ~                      |
| 1    | 271 53  | 100/130 V~                       |
| 1    | 271 54  | 200/277 V~                       |
| 1    | 271 55  | 380/480 V~                       |
|      |         | <b>Undervoltage releases</b>     |
| 1    | 271 60  | 12 V~ and ~                      |
| 1    | 271 61  | 24 V~ and ~                      |
| 1    | 271 62  | 48 V~ and ~                      |
| 1    | 271 63  | 110/130 V~                       |
| 1    | 271 64  | 200/240 V~                       |
| 1    | 271 65  | 380/415 V~                       |



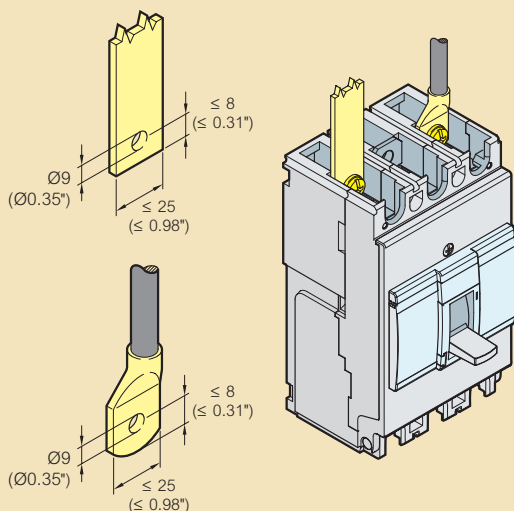
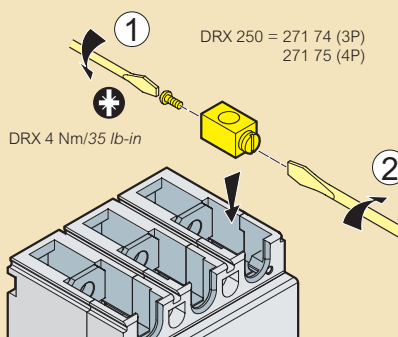
## ■ Dimensions

**3P**

**4P**


## ■ Mounting

**Mounting on DIN rail with plate**

**Fixing on plate**


## ■ Connection

**Connection via busbar**

**Connection via cable**

**DRX 250 - 125 to 250 A**

 Flexible  
 35 mm<sup>2</sup> ➔ 120 mm<sup>2</sup>  
 #2 ➔ #250 AWG

or

 Solid  
 50 mm<sup>2</sup> ➔ 150 mm<sup>2</sup>  
 #1/0 ➔ #300 AWG

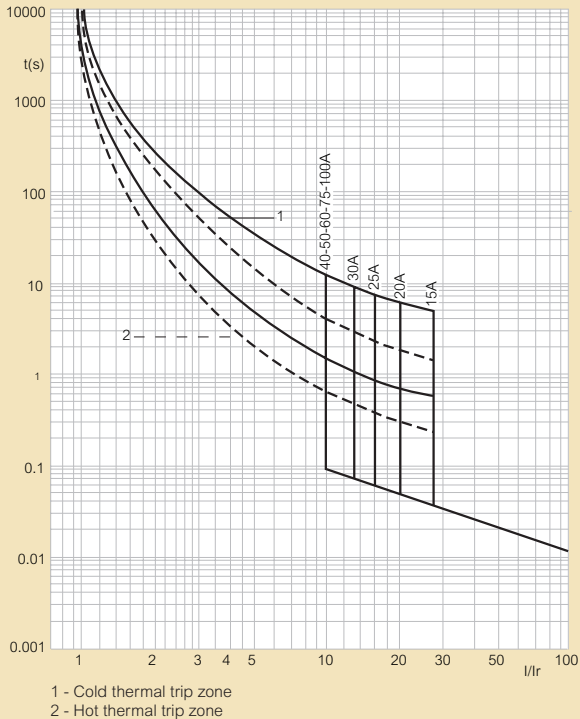

**For more information, ask for the complete document on DRX range**

**please consult us**

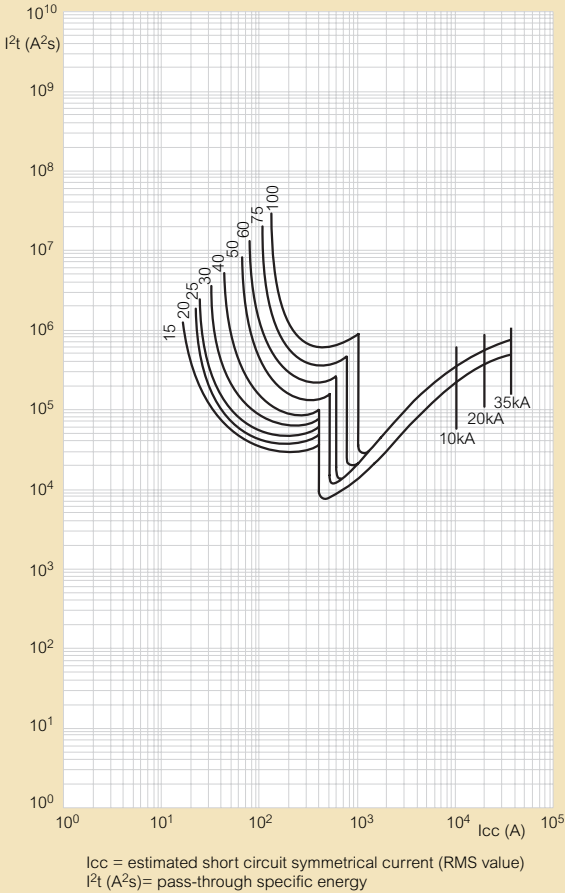
DRX™ 100
technical characteristics and curves

Curve

DRX 100 Imax = 100 A 1P - 2P - 3P - 4P



Let through specific energy characteristics
DRX 100 B-N-H Series In max = 100 A 3P - 4P - 415 V~



Technical characteristics

|                                                 |                      | DRX - 10 kA | DRX - 20 kA | DRX - 35 kA  | DRX - 25 kA <sup>(1)</sup> |
|-------------------------------------------------|----------------------|-------------|-------------|--------------|----------------------------|
| Number of poles                                 |                      | 3P - 4P     | 3P - 4P     | 2P - 3P - 4P | 1P                         |
| Nominal current In (A)                          |                      | 15-100      | 15-100      | 15-100       | 15-100                     |
| Neutral protection for 4P version (%)           |                      | 100         | 100         | 100          |                            |
| Rated insulation voltage Ui (V)                 |                      | 690         | 690         | 690          |                            |
| Rated impulse withstand current Uimp (kV)       |                      | 6           | 6           | 6            |                            |
| Rated operating voltage (50/60 Hz) Ue (V)       |                      | 600         | 600         | 600          |                            |
| Ultimate breaking capacity Icu (kA) IEC 60947-2 | 220/240 V            | 25          | 40          | 100          | 25                         |
|                                                 | 380/415 V            | 10          | 20          | 35           |                            |
|                                                 | 440/460 V            | 10          | 15          | 30           |                            |
|                                                 | 480/550 V            | 7.5         | 10          | 20           |                            |
|                                                 | 600 V                | 5           | 5           | 10           |                            |
| Ultimate breaking capacity Icu (kA) NEMA AB-1   | 240 V                | 25          | 40          | 100          | 25                         |
|                                                 | 480 V                | 7.5         | 10          | 20           |                            |
|                                                 | 600 V                | 5           | 5           | 10           |                            |
| Standard breaking capacity Ics (% Icu)          |                      | 50          | 50          | 50           | 50                         |
| Category of use                                 |                      | A           | A           | A            | A                          |
| Suitable for isolation                          |                      | YES         | YES         | YES          | YES                        |
| Endurance (cycles)                              | mechanical           | 25 000      | 25 000      | 25 000       | 25 000                     |
|                                                 | electrical at In     | 8 000       | 8 000       | 8 000        | 8 000                      |
|                                                 | electrical at 0.5 In | 10 000      | 10 000      | 10 000       | 10 000                     |

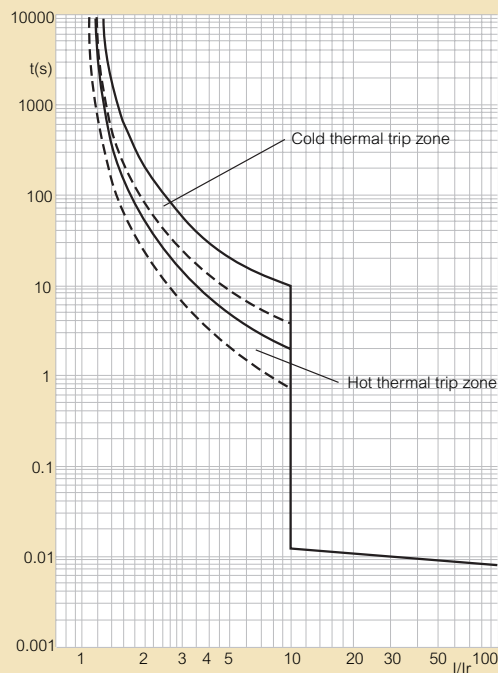
(1) 1P - Icu 25 kA (220/240 V~)

# DRX™ 250

## technical characteristics and curves

### Curve

DRX 250 I<sub>max</sub> = 250 A 3P - 4P



### Technical characteristics

|                                                                 | DRX - 18 kA | DRX - 25 kA | DRX - 36 kA |
|-----------------------------------------------------------------|-------------|-------------|-------------|
| Number of poles                                                 | 3P - 4P     | 3P - 4P     | 3P - 4P     |
| Nominal current I <sub>n</sub> (A)                              | 125-250     | 125-250     | 125-250     |
| Neutral protection for 4 P version (%)                          | 100         | 100         | 100         |
| Rated insulation voltage U <sub>i</sub> (V)                     | 690         | 690         | 690         |
| Rated impulse withstand current U <sub>imp</sub> (kV)           | 6           | 6           | 6           |
| Rated operating voltage (50/60 Hz) U <sub>e</sub> (V)           | 600         | 600         | 600         |
| Ultimate breaking capacity I <sub>cu</sub> (kA)                 |             |             |             |
| IEC 60947-2                                                     |             |             |             |
| 220/240 V~                                                      | 35          | 50          | 65          |
| 380/415 V~                                                      | 18          | 25          | 36          |
| 440/460 V                                                       | 15          | 25          | 30          |
| 480/500 V                                                       | 10          | 15          | 20          |
| 600 V                                                           | 7.5         | 10          | 15          |
| Nema AB-1                                                       |             |             |             |
| 240 V~                                                          | 35          | 50          | 65          |
| 480 V                                                           | 10          | 15          | 20          |
| 600 V                                                           | 7.5         | 10          | 15          |
| Standard breaking capacity I <sub>cs</sub> (% I <sub>cu</sub> ) | 50          | 50          | 50          |
| Category of use                                                 | A           | A           | A           |
| Suitable for isolation                                          | YES         | YES         | YES         |
| Endurance (cycles)                                              |             |             |             |
| mechanical                                                      | 25 000      | 25 000      | 25 000      |
| electrical at I <sub>n</sub>                                    | 8 000       | 8 000       | 8 000       |
| electrical at 0.5 I <sub>n</sub>                                | 10 000      | 10 000      | 10 000      |



# DPX™ 125

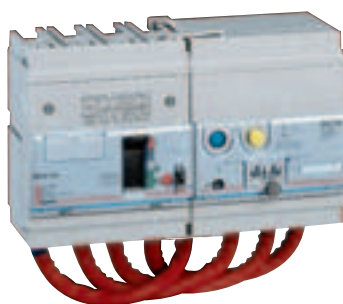
thermal magnetic MCCBs from 16 to 125 A



250 18



250 59



250 45 + 260 13



262 01



Dimensions (p. 78)

Electrical characteristics (p. 84)

MCCBs for switching, control isolation and protection of low voltage electrical lines

Can be fitted with auxiliaries (p. 76)

Can be used with earth leakage modules or with residual current relays (p. 77)

Supplied complete with:

- cage terminals 70 mm<sup>2</sup> max.

- terminal shields

Thermal release adjustable from 0.7 to 1 In and sealable

Fixed magnetic at 10 In in factory (p. 86)

Conform to IEC 60947-2

Can be mounted on rail or on plate in XL<sup>3</sup> cabinets and enclosures

| Pack | Cat.Nos  |        | DPX-E 125 - fixed version                   |
|------|----------|--------|---------------------------------------------|
|      | 1P       |        | <b>Breaking capacity Icu 16 kA (230 V~)</b> |
|      | In       |        |                                             |
| 1    | 250 00   |        | 16 A                                        |
| 1    | 250 01   |        | 20 A                                        |
| 1    | 250 02   |        | 25 A                                        |
| 1    | 250 03   |        | 32 A                                        |
| 1    | 250 04   |        | 40 A                                        |
| 1    | 250 05   |        | 50 A                                        |
| 1    | 250 06   |        | 63 A                                        |
| 1    | 250 07   |        | 80 A                                        |
| 1    | 250 08   |        | 100 A                                       |
| 1    | 250 09   |        | 125 A                                       |
|      | 3P       | 4P     | <b>Breaking capacity Icu 16 kA (400 V~)</b> |
|      | In       |        |                                             |
| 1    | 250 16   | 250 24 | 16 A                                        |
| 1    | 250 17   | 250 25 | 25 A                                        |
| 1    | 250 18   | 250 26 | 40 A                                        |
| 1    | 250 19   | 250 27 | 63 A                                        |
| 1    | 250 20   | 250 28 | 100 A                                       |
| 1    | 250 21   | 250 29 | 125 A                                       |
|      | 3P + N/2 |        | In                                          |
| 1    | 250 23   |        | 125 A                                       |

| Pack | Cat.Nos  |        | DPX 125 - fixed version                     |
|------|----------|--------|---------------------------------------------|
|      | 3P       | 4P     | <b>Breaking capacity Icu 25 kA (400 V~)</b> |
|      | In       |        |                                             |
| 1    | 250 36   | 250 44 | 16 A                                        |
| 1    | 250 37   | 250 45 | 25 A                                        |
| 1    | 250 38   | 250 46 | 40 A                                        |
| 1    | 250 39   | 250 47 | 63 A                                        |
| 1    | 250 40   | 250 48 | 100 A                                       |
| 1    | 250 41   | 250 49 | 125 A                                       |
|      | 3P + N/2 |        | In                                          |
| 1    | 250 43   |        | 125 A                                       |
|      | 3P       | 4P     | <b>Breaking capacity Icu 36 kA (400 V~)</b> |
|      | In       |        |                                             |
| 1    | 250 50   | 250 58 | 16 A                                        |
| 1    | 250 51   | 250 59 | 25 A                                        |
| 1    | 250 52   | 250 60 | 40 A                                        |
| 1    | 250 53   | 250 61 | 63 A                                        |
| 1    | 250 54   | 250 62 | 100 A                                       |
| 1    | 250 55   | 250 63 | 125 A                                       |
|      | 3P + N/2 |        | In                                          |
| 1    | 250 57   |        | 125 A                                       |

| Pack | Cat.Nos |        | Electronic earth leakage modules                           |
|------|---------|--------|------------------------------------------------------------|
|      |         |        | Can be fitted onto DPX/DPX-I 125                           |
|      |         |        | Adjustable, sealable sensitivity:                          |
|      |         |        | 0.03 - 0.3 - 1 - 3 A                                       |
|      |         |        | Adjustable, tripping: 0 - 0.3 - 1 - 3 s                    |
|      |         |        | Test push-button                                           |
|      |         |        | Reset push-button                                          |
|      |         |        | Remote earth fault signalling contact                      |
|      |         |        | Switch for mechanical tests (installation insulation test) |
|      |         |        | 230-500 V~                                                 |
|      |         |        | <b>Mounted side by side (at right-hand side)</b>           |
|      | 3P      | 4P     | In                                                         |
| 1    | 260 02  | 260 03 | 63 A                                                       |
| 1    | 260 12  | 260 13 | 125 A                                                      |
|      |         | 260 04 | <b>Mounted underneath</b>                                  |
| 1    |         | 260 14 | 63 A                                                       |
| 1    |         |        | 125 A                                                      |

| Pack | Cat.Nos | Rotary handles                         |
|------|---------|----------------------------------------|
|      |         | <b>Direct on DPX</b>                   |
|      |         | Standard (grey)                        |
| 1    | 262 01  | For emergency use (red/yellow)         |
| 1    | 262 03  |                                        |
|      |         | <b>Vari-depth handle IP 55</b>         |
|      |         | Comprising: connection rod, bracket,   |
|      |         | drilling template, fixing accessories, |
|      |         | door lock mechanism                    |
| 1    | 262 75  | Standard (grey)                        |
| 1    | 262 76  | For emergency use (red/yellow)         |
|      |         | <b>Locking accessories</b>             |
| 1    | 262 92  | Eurolocks for vari-depth handle        |
| 1    | 262 93  | Profalux for vari-depth handle         |
| 1    | 262 94  | Ronis for vari-depth handle            |
| 1    | 262 25  | Eurolocks for direct handle            |

| Pack | Cat.Nos | Motor-driven handles  |
|------|---------|-----------------------|
|      |         | <b>Front operated</b> |
|      |         | 24 V~                 |
| 1    | 261 00  | 230 V~                |
| 1    | 261 03  |                       |

| Pack | 3P     | 4P     | Accessories                                  |
|------|--------|--------|----------------------------------------------|
|      |        |        | <b>Sealable terminal shields</b>             |
| 1    | 262 05 | 262 06 | Set of 2                                     |
|      |        |        | <b>Rear terminals</b>                        |
|      |        |        | Used to connect fixed version                |
|      |        |        | with front terminals into fixed              |
|      |        |        | version with rear terminal                   |
| 1    | 263 00 | 263 01 | Set of upstream or downstream rear terminals |



# DPX™ 160

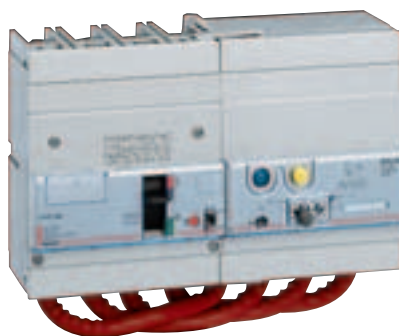
thermal magnetic MCCBs from 40 to 160 A



251 25



251 72



251 33 + 260 21



262 11



Dimensions (p. 79)  
Electrical characteristics (p. 84)

MCCBs for switching, control isolation and protection of low voltage electrical lines

Can be fitted with auxiliaries (p. 76)

Can be used with earth leakage modules or with residual current relays (p. 77)

Supplied complete with:

- connection plates for bars
- upstream and downstream connection devices for lugs (max. width 20 mm)
- terminal shields

Conform to IEC 60947-2

Can be mounted on rail or on plate in XL<sup>3</sup> cabinets and enclosures

| Pack | Cat.Nos               | Fixed version                                                                                                                                                                                                                                                                                                                                     |
|------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                       | Thermal adjustable from 0.64 to 1 In and sealable<br>Fixed magnetic at 10 In in factory (p. 86)                                                                                                                                                                                                                                                   |
|      |                       | <b>Breaking capacity Icu 25 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                       |
|      |                       | In                                                                                                                                                                                                                                                                                                                                                |
| 1    | 3P 251 23   4P 251 31 | 63 A                                                                                                                                                                                                                                                                                                                                              |
| 1    | 251 24   251 32       | 100 A                                                                                                                                                                                                                                                                                                                                             |
| 1    | 251 25   251 33       | 160 A                                                                                                                                                                                                                                                                                                                                             |
| 1    | 3P + N/2 251 27       | In                                                                                                                                                                                                                                                                                                                                                |
|      |                       | 160 A                                                                                                                                                                                                                                                                                                                                             |
|      |                       | <b>Breaking capacity Icu 36 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                       |
|      |                       | In                                                                                                                                                                                                                                                                                                                                                |
| 1    | 3P 251 49   4P 251 57 | 63 A                                                                                                                                                                                                                                                                                                                                              |
| 1    | 251 50   251 58       | 100 A                                                                                                                                                                                                                                                                                                                                             |
| 1    | 251 51   251 59       | 160 A                                                                                                                                                                                                                                                                                                                                             |
| 1    | 3P + N/2 251 53       | In                                                                                                                                                                                                                                                                                                                                                |
|      |                       | 160 A                                                                                                                                                                                                                                                                                                                                             |
|      |                       | <b>Breaking capacity Icu 50 kA (400 V~)</b>                                                                                                                                                                                                                                                                                                       |
|      |                       | In                                                                                                                                                                                                                                                                                                                                                |
| 1    | 3P 251 62   4P 251 70 | 40 A                                                                                                                                                                                                                                                                                                                                              |
| 1    | 251 63   251 71       | 63 A                                                                                                                                                                                                                                                                                                                                              |
| 1    | 251 64   251 72       | 100 A                                                                                                                                                                                                                                                                                                                                             |
| 1    | 251 65   251 73       | 160 A                                                                                                                                                                                                                                                                                                                                             |
| 1    | 3P + N/2 251 67       | In                                                                                                                                                                                                                                                                                                                                                |
|      |                       | 160 A                                                                                                                                                                                                                                                                                                                                             |
|      |                       | <b>Supply inverter type</b>                                                                                                                                                                                                                                                                                                                       |
| 1    | 264 01                | <b>Mounting plate</b><br>For mechanical interlocking of 2 DPX of the same size for use in normal or automatic modes                                                                                                                                                                                                                               |
|      |                       | <b>Electronic earth leakage modules</b><br>Can be fitted onto DPX/DPX-I 160<br>Adjustable, sealable sensitivity:<br>0.03 - 0.3 - 1 - 3 A<br>Adjustable, tripping: 0 - 0.3 - 1 - 3 s<br>Test push-button<br>Reset push-button<br>Remote earth fault signalling contact<br>Switch for mechanical tests (installation insulation test)<br>230-500 V~ |
| 1    | 3P 260 20   4P 260 21 | <b>Mounted side by side (at right-hand side)</b><br>160 A                                                                                                                                                                                                                                                                                         |
| 1    | 260 22                | <b>Mounted underneath</b><br>160 A                                                                                                                                                                                                                                                                                                                |

| Pack | Cat.Nos               | Rotary handles                                                                                                                                                                                               |
|------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                       | <b>Direct on DPX</b><br>Standard (grey)<br>For emergency use (red/yellow)                                                                                                                                    |
| 1    | 262 11                |                                                                                                                                                                                                              |
| 1    | 262 13                |                                                                                                                                                                                                              |
|      |                       | <b>Vari-depth handle IP 55</b><br>Comprising: connecting rod, bracket, drilling template, fixing accessories, door lock mechanism<br>Standard (grey)<br>For emergency use (red/yellow)                       |
| 1    | 262 77                |                                                                                                                                                                                                              |
| 1    | 262 78                |                                                                                                                                                                                                              |
|      |                       | <b>Locking accessories</b><br>Eurolocks for vari-depth handle<br>Profalux for vari-depth handle<br>Ronis for vari-depth handle<br>Eurolocks for direct handle                                                |
| 1    | 262 92                |                                                                                                                                                                                                              |
| 1    | 262 93                |                                                                                                                                                                                                              |
| 1    | 262 94                |                                                                                                                                                                                                              |
| 1    | 262 25                |                                                                                                                                                                                                              |
|      |                       | <b>Motor-driven handles</b>                                                                                                                                                                                  |
|      |                       | <b>Front operated</b><br>24 V~<br>230 V~                                                                                                                                                                     |
| 1    | 261 10                |                                                                                                                                                                                                              |
| 1    | 261 13                |                                                                                                                                                                                                              |
|      |                       | <b>Accessories</b>                                                                                                                                                                                           |
|      |                       | <b>Sealable terminal shields</b><br>Set of 2                                                                                                                                                                 |
| 1    | 3P 262 15   4P 262 16 |                                                                                                                                                                                                              |
|      |                       | <b>Gate terminals</b><br>Set of 4<br>For cable without lug 95 mm <sup>2</sup> (rigid) or 70 mm <sup>2</sup> (flexible)<br>For cable without lug 120 mm <sup>2</sup> (rigid) or 95 mm <sup>2</sup> (flexible) |
| 1    | 262 18                |                                                                                                                                                                                                              |
| 1    | 262 19                |                                                                                                                                                                                                              |
|      |                       | <b>Adaptator for lug</b><br>Set of 4 (upstream or downstream)<br>Supplied with insulated shield                                                                                                              |
| 1    | 262 17                |                                                                                                                                                                                                              |
|      |                       | <b>Rear terminals</b><br>Used to connect a fixed version with front terminals into fixed version with rear terminals<br>Set of upstream and downstream rear terminals                                        |
| 1    | 3P 263 10   4P 263 11 |                                                                                                                                                                                                              |

**Mounting accessories and common accessories** (p. 65)



# DPX™ 250 ER

thermal magnetic MCCBs from 100 to 250 A



**Dimensions** (p. 80)  
**Electrical characteristics** (p. 84)

MCCBs for switching, control isolation and protection of low voltage electrical lines  
Can be fitted with auxiliaries (p. 76)  
Can be used with earth leakage modules or with residual current relays (p. 77)  
Supplied complete with:  
- connection plates for bars  
- upstream and downstream connection devices for lugs (max. width 20 mm)  
- terminal shields  
Can be mounted on rail or on plate in XL<sup>3</sup> cabinets and enclosures  
Conform to IEC 60947-2

| Pack | Cat.Nos  |        | Fixed version                                                                                                                                  |
|------|----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P       | 4P     | Thermal adjustable from 0.64 to 1 In and sealable<br>Fixed magnetic at 10 In in factory (p. 86)<br><b>Breaking capacity Icu 25 kA (400 V~)</b> |
| 1    | 252 04   | 252 14 | In                                                                                                                                             |
| 1    | 252 05   | 252 15 | 100 A                                                                                                                                          |
| 1    | 252 06   | 252 16 | 160 A                                                                                                                                          |
|      | 3P + N/2 |        | 250 A                                                                                                                                          |
| 1    | 252 09   |        | In                                                                                                                                             |
|      | 3P       | 4P     | <b>Breaking capacity Icu 36 kA (400 V~)</b>                                                                                                    |
| 1    | 252 24   | 252 34 | In                                                                                                                                             |
| 1    | 252 25   | 252 35 | 100 A                                                                                                                                          |
| 1    | 252 26   | 252 36 | 160 A                                                                                                                                          |
|      | 3P + N/2 |        | 250 A                                                                                                                                          |
| 1    | 252 29   |        | In                                                                                                                                             |
|      | 3P       | 4P     | <b>Breaking capacity Icu 50 kA (400 V~)</b>                                                                                                    |
| 1    | 252 44   | 252 54 | In                                                                                                                                             |
| 1    | 252 45   | 252 55 | 100 A                                                                                                                                          |
| 1    | 252 46   | 252 56 | 160 A                                                                                                                                          |
|      | 3P + N/2 |        | 250 A                                                                                                                                          |
| 1    | 252 49   |        | In                                                                                                                                             |

| Pack | Cat.Nos |        | Plug-in version                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|---------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 265 12  | 265 13 | A plug-in is a DPX fitted with tulip contacts mounted on a base<br><b>Tulip contacts</b><br>Set of tulip contacts (supplied with an incoming/outgoing protective cover)<br><b>Bases</b><br>Can accept DPX and DPX-I fitted with tulip contacts<br>For DPX only<br>Front terminal mounting base<br>Rear terminal mounting base<br><b>Connectors</b><br>For connecting the auxiliaries included in the DPX<br>Set of connectors (8-pin) |
| 1    | 265 14  | 265 15 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 265 16  | 265 17 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1    | 263 99  |        |                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Pack | Cat.Nos | Supply inverter type                                                                                                |
|------|---------|---------------------------------------------------------------------------------------------------------------------|
| 1    | 264 02  | <b>Mounting plate</b><br>For mechanical interlocking of 2 DPX of the same size for use in normal or automatic modes |

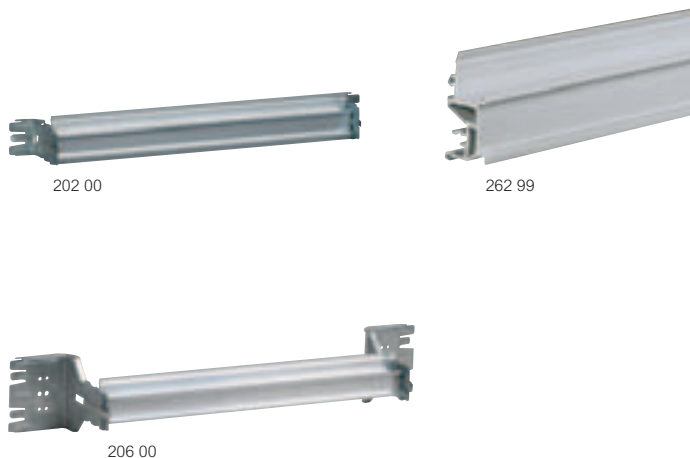
| Pack | Cat.Nos | Electronic earth leakage modules                                                                                                                                                                                                                                                               |
|------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         | Can be fitted onto DPX/DPX-I 250 ER<br>Adjustable, sealable sensitivity:<br>0.03 - 0.3 - 1 - 3 A<br>Adjustable, tripping: 0.03 - 0.3 - 1 - 3 s<br>Test push-button<br>Reset push-button<br>Remote earth fault signalling contact<br>Switch for mechanical tests (installation insulation test) |
| 1    | 260 31  | <b>Mounted side by side (at right-hand side)</b>                                                                                                                                                                                                                                               |
| 1    | 260 36  | 160 A                                                                                                                                                                                                                                                                                          |
|      |         | 250 A                                                                                                                                                                                                                                                                                          |
| 1    | 260 33  | <b>Mounted underneath</b>                                                                                                                                                                                                                                                                      |
| 1    | 260 38  | 160 A                                                                                                                                                                                                                                                                                          |
|      |         | 250 A                                                                                                                                                                                                                                                                                          |
|      |         | <b>Rotary handles</b>                                                                                                                                                                                                                                                                          |
|      |         | <b>Direct on DPX</b>                                                                                                                                                                                                                                                                           |
| 1    | 262 11  | Standard (grey)                                                                                                                                                                                                                                                                                |
| 1    | 262 13  | For emergency use (red/yellow)                                                                                                                                                                                                                                                                 |
|      |         | <b>Vari-depth handle IP 55</b>                                                                                                                                                                                                                                                                 |
|      |         | Comprising: connecting rod, bracket, drilling template, fixing accessories, door lock mechanism                                                                                                                                                                                                |
| 1    | 262 77  | Standard (grey)                                                                                                                                                                                                                                                                                |
| 1    | 262 78  | For emergency use (red/yellow)                                                                                                                                                                                                                                                                 |
|      |         | <b>Locking accessories</b>                                                                                                                                                                                                                                                                     |
| 1    | 262 92  | Eurolocks for vari-depth handle                                                                                                                                                                                                                                                                |
| 1    | 262 93  | Profalux for vari-depth handle                                                                                                                                                                                                                                                                 |
| 1    | 262 94  | Ronis for vari-depth handle                                                                                                                                                                                                                                                                    |
| 1    | 262 25  | Eurolocks for direct handle                                                                                                                                                                                                                                                                    |

| Pack | 3P     | 4P     | Accessories                                                                                                                                                               |
|------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 262 85 | 262 86 | <b>Sealable terminal shields</b><br>Set of 2                                                                                                                              |
| 1    | 262 88 |        | <b>Cage terminals</b><br>Set of 4<br>For cable without lug 185 mm <sup>2</sup> (rigid) or 150 mm <sup>2</sup> (flexible) for DPX 250 ER only <sup>(1)</sup>               |
| 1    | 262 90 | 262 91 | <b>Spreaders</b><br>Set of incoming or outgoing spreaders                                                                                                                 |
| 1    | 265 10 | 265 11 | <b>Rear terminals</b><br>Used to convert the fixed version with front terminals to the fixed version with rear terminals<br>Set of upstream and downstream rear terminals |

(1) Can not be mounted on side by side mounted earth leakage modules 160 A

Red catalogue numbers: New products

## DPX™ 125, 160 and 250 ER mounting accessories

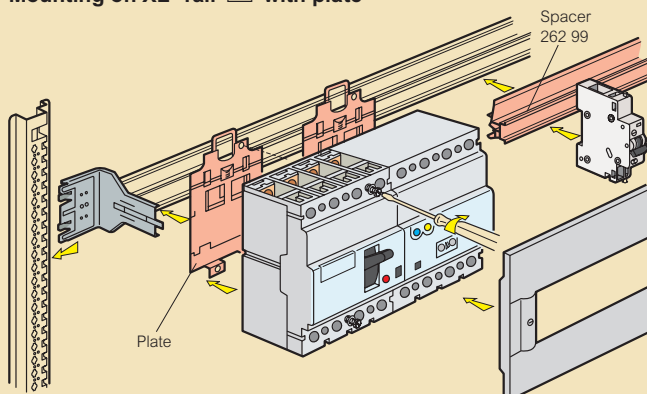


| Pack | Cat.Nos | Mounting on XL <sup>3</sup> rail                                                                                                                                              |
|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 202 00  | <b>Rails</b><br>Comprising one aluminium profile and 2 two-position fixing brackets<br>For XL <sup>3</sup> 400                                                                |
| 1    | 206 00  | For XL <sup>3</sup> 800 and XL <sup>3</sup> 4 000 24 modules/row                                                                                                              |
| 1    | 206 50  | For XL <sup>3</sup> 800 and XL <sup>3</sup> 4 000 36 modules/row                                                                                                              |
| 1    | 262 08  | <b>Rail fixing plates</b><br>For mounting DPX 125 or earth leakage module                                                                                                     |
| 1    | 262 09  | For mounting DPX 160/250 ER or earth leakage module                                                                                                                           |
| 1    | 262 99  | <b>Spacer</b><br>Fits on a rail; used to mount on the same row DX and DPX/DPX-IS mounted on plate                                                                             |
| 1    | 202 10  | <b>Mounting on plate</b><br><b>Plates for XL<sup>3</sup> 400</b><br>Device only, vertical position                                                                            |
| 1    | 202 12  | Device + earth leakage module, vertical position                                                                                                                              |
| 1    | 202 14  | Device only, horizontal position                                                                                                                                              |
| 1    | 262 07  | <b>Accessories</b><br><b>Insulated shields</b><br>Used to isolated the connection between each pole<br>Set of 3                                                               |
| 1    | 048 67  | <b>Distribution terminals</b><br>160 A - 6 outputs 25 mm <sup>2</sup> flexible<br>Can be fitted directly onto downstream terminal of DPX 125/160, Vistop 100/160 A and DX 125 |
| 1    | 048 68  | 250 A - 4 outputs 35 mm <sup>2</sup> flexible and 2 outputs 25 mm <sup>2</sup> flexible<br>Can be fitted directly onto downstream terminal of DPX 250/250 ER and DPX-IS 250   |
| 1    | 262 00  | <b>Padlocks</b><br>For locking in "off" position<br>For DPX 125                                                                                                               |
| 1    | 262 10  | For DPX 160 and DPX 250 ER                                                                                                                                                    |

## DPX™ 125, 160 and 250 ER mounting

### ■ Mounting

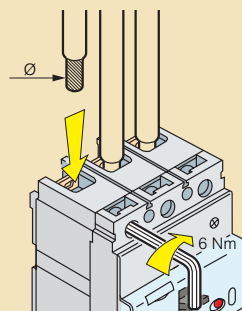
#### Mounting on XL<sup>3</sup> rail with plate



### ■ Connection

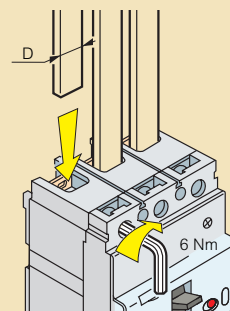
#### DPX front terminals

Connection with cables



| DPX    | 125 | 160 | 250 ER |
|--------|-----|-----|--------|
| max. Ø | 12  | 18  | 18     |

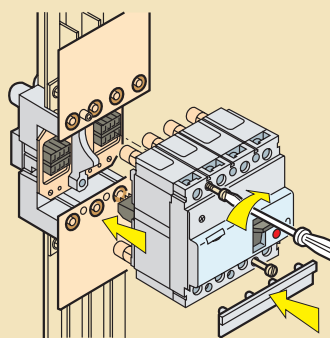
Connection with bars



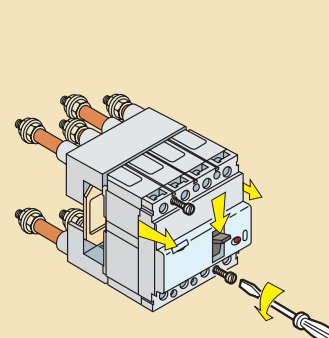
| DPX | 125 | 160 | 250 ER |
|-----|-----|-----|--------|
| D   | 12  | 18  | 18     |

#### Plug-in version (only DPX 250 ER)

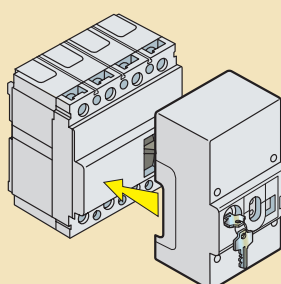
Front terminals



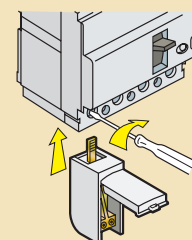
Rear terminals



### ■ Motor operator



### ■ Mounting of distribution terminal



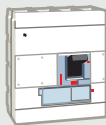
# DPX MCCBs from 40 to 1600 A

“Moulded case” thermal-magnetic or electronic DPX MCCBs protect and control circuits up to 1 600 A

## The range

### THE PRODUCTS

- **3 SIZES OF UNIT**  
250, 630, 1600
- **4 BREAKING CAPACITIES**  
36, 50, 70 and 100 kA



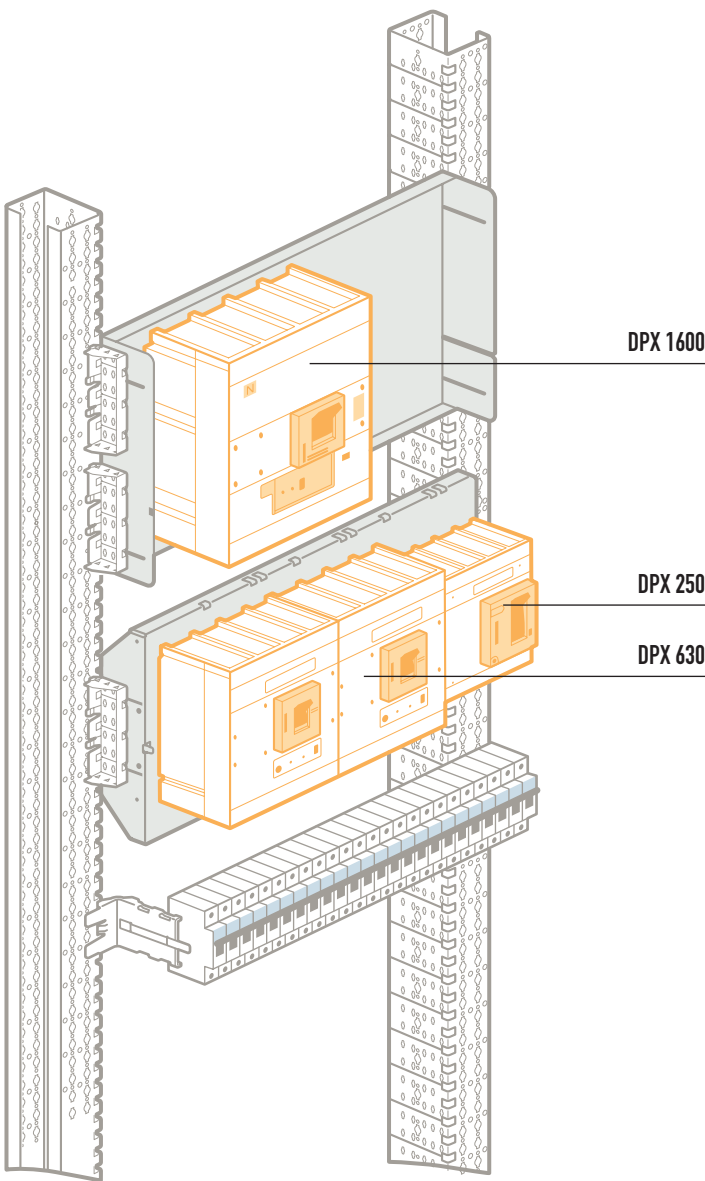
|     | DPX 250 | DPX 630 | DPX 1250<br>DPX 1600 |
|-----|---------|---------|----------------------|
| 36  | X       | X       |                      |
| 50  |         |         | X                    |
| 70  | X       | X       | X                    |
| 100 | X       | X       | X <sup>(1)</sup>     |

[1] Only DPX 1250

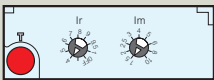
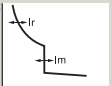
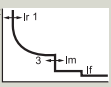
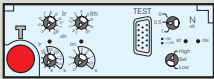
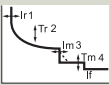
- **3 VERSIONS**
  - Fixed, plug-in and draw-out
- **2 TRIPPING MODES**
  - Adjustable thermal magnetic
  - Electronic, 2 versions:
    - . S1: adjustment of Ir and Im, dynamic discrimination
    - . S2: adjustment of Ir, Im, Tr and Tm, dynamic and logical discrimination

### EQUIPMENT

- Rear terminals
- Rotary handle
- Motor-driven handle
- Plug-in version
- Add-on module mounted underneath
- Terminal shield



## SELECTIVITY TABLES FOR DPX (p. 87)

| Trip                  |                                                                                       | Settings                                                                              | Discrimination |         | Plug-in integrated connectors |
|-----------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|---------|-------------------------------|
|                       |                                                                                       |                                                                                       | Dynamic        | Logical |                               |
| Thermal-magnetic      |    |    | NO             | NO      | NO                            |
| Electronic version S1 |   |   | YES            | NO      | NO                            |
| Electronic version S2 |  |  | YES            | YES     | YES                           |

## Supply inverter version

- DPX 250, 630 and 1600 can be mounted as supply inverters on special plates with mechanical interlock
- The automation control unit and the motor-driven handle can be used to create totally automatic inverters

## Installation principle

- **Mounting on plate and on XL-Part bases**  
for all versions: fixed, plug-in, draw-out
- **Positioning and direct attachment of the plates**  
for fixed version DPX on functional uprights in XL<sup>3</sup> enclosures
- **Sliding plates**  
for all versions: plug-in, draw-out, motor-driven control, etc, in XL<sup>3</sup> 4000 enclosures

## LEGRAND ADVANTAGES

- 1 1 device = 1 catalogue number
- 2 Mounting under faceplate whatever distribution solutions are used
- 3 Auxiliaries that are common to the entire range. Mounted on front panel
- 4 Choice of discrimination: dynamic and logical
- 5 Can be drawn out with faceplate closed

- See the Distribution and Power guide
- Come and be trained at Innoval see p. 409

# DPX™ 250

thermal magnetic and electronic release MCCBs from 40 to 250 A



253 49



253 52



254 23



254 31



Dimensions (p. 81)  
Electrical characteristics (p. 84)

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines

Can be fitted with auxiliaries (p. 76)

Can be used with earth leakage modules (opposite) or with residual current relays (p. 77)

Supplied complete with:

- connection plates for bars
- upstream and downstream connection devices for lugs (width max. 20 mm)
- terminal shields

Conform to IEC 60947-2

Sealable adjustment

Can be mounted on plate in XL<sup>3</sup> cabinets and enclosures

| Pack | Cat.Nos  |        | DPX 250 thermal magnetic                                                      |
|------|----------|--------|-------------------------------------------------------------------------------|
|      |          |        | Thermal adjustable from 0.64 to 1 In<br>Magnetic adjustable from 3.5 to 10 In |
|      |          |        |                                                                               |
|      |          |        | <b>DPX 250 36 kA</b><br>Breaking capacity Icu 36 kA (400 V~)                  |
|      | 3P       | 4P     | In                                                                            |
| 1    | 253 28   | 253 45 | 40 A                                                                          |
| 1    | 253 29   | 253 46 | 63 A                                                                          |
| 1    | 253 30   | 253 47 | 100 A                                                                         |
| 1    | 253 31   | 253 48 | 160 A                                                                         |
| 1    | 253 32   | 253 49 | 250 A                                                                         |
|      | 3P + N/2 |        | In                                                                            |
| 1    | 253 41   |        | 160 A                                                                         |
| 1    | 253 42   |        | 250 A                                                                         |
|      |          |        | <b>DPX-H 250 70 kA</b><br>Breaking capacity Icu 70 kA (400 V~)                |
|      | 3P       | 4P     | In                                                                            |
| 1    | 253 52   | 253 69 | 40 A                                                                          |
| 1    | 253 53   | 253 70 | 63 A                                                                          |
| 1    | 253 54   | 253 71 | 100 A                                                                         |
| 1    | 253 55   | 253 72 | 160 A                                                                         |
| 1    | 253 56   | 253 73 | 250 A                                                                         |
|      | 3P + N/2 |        | In                                                                            |
| 1    | 253 66   |        | 250 A                                                                         |
|      |          |        | <b>DPX-L 250 100 kA</b><br>Breaking capacity Icu 100 kA (400 V~)              |
|      | 3P       | 4P     | In                                                                            |
| 1    | 253 80   | 253 89 | 100 A                                                                         |
| 1    | 253 81   | 253 90 | 160 A                                                                         |
| 1    | 253 82   | 253 91 | 250 A                                                                         |
|      | 3P + N/2 |        | In                                                                            |
| 1    | 253 88   |        | 250 A                                                                         |

| Pack | Cat.Nos |                   | DPX 250 electronic release                                                                                                                               |
|------|---------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |                   | Adjustment of Ir and Im (p. 86)<br>Indicator lamp <sup>(1)</sup><br>Connector for test unit<br>Instantaneous protection If = 4 kA<br>Dynamic selectivity |
|      |         |                   |                                                                                                                                                          |
|      |         |                   | <b>DPX 250 36 kA</b><br>Breaking capacity Icu 36 kA (400 V~)                                                                                             |
|      | 3P      | 4P <sup>(2)</sup> | In                                                                                                                                                       |
| 1    | 254 01  | 254 07            | 40 A                                                                                                                                                     |
| 1    | 254 03  | 254 09            | 100 A                                                                                                                                                    |
| 1    | 254 04  | 254 10            | 160 A                                                                                                                                                    |
| 1    | 254 05  | 254 11            | 250 A                                                                                                                                                    |
|      |         |                   | <b>DPX-H 250 70 kA</b><br>Breaking capacity Icu 70 kA (400 V~)                                                                                           |
|      |         |                   | In                                                                                                                                                       |
| 1    | 254 13  | 254 19            | 40 A                                                                                                                                                     |
| 1    | 254 15  | 254 21            | 100 A                                                                                                                                                    |
| 1    | 254 16  | 254 22            | 160 A                                                                                                                                                    |
| 1    | 254 17  | 254 23            | 250 A                                                                                                                                                    |
|      |         |                   | <b>DPX-L 250 100 kA</b><br>Breaking capacity Icu 100 kA (400 V~)                                                                                         |
|      |         |                   | In                                                                                                                                                       |
| 1    | 254 25  | 254 31            | 40 A                                                                                                                                                     |
| 1    | 254 27  | 254 33            | 100 A                                                                                                                                                    |
| 1    | 254 28  | 254 34            | 160 A                                                                                                                                                    |
| 1    | 254 29  | 254 35            | 250 A                                                                                                                                                    |

(1) Minimum current for indicator lamp operation (30 % of In)  
green: normal - fixed red:  $I \geq 0.9 I_r$  - flushing red:  $I \geq 1.05 I_r$   
(2) Adjustment of neutral on front panel

# DPX™ 250 equipment



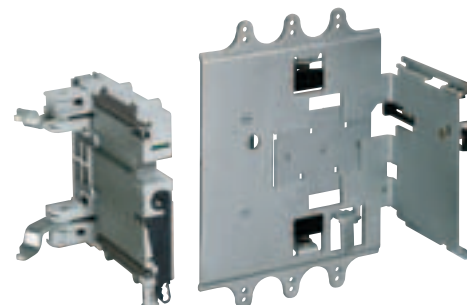
260 55



260 53



265 32



265 46

| Pack | Cat.Nos |        | Electronic earth leakage modules                                                                                                                                                                                                                                                                                  |
|------|---------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |        | Can be fitted onto DPX/DPX-I 250<br>Adjustable, sealable sensitivity:<br>0.03 - 0.3 - 1 - 3 A<br>Adjustable, time delay: 0 - 0.3 - 1 - 3 s<br>Test push-buttons<br>Reset push-button<br>Remote earth fault signalling contact<br>Switch for mechanical tests (installation insulation test)<br>Mounted underneath |
|      |         |        | <b>Standard</b>                                                                                                                                                                                                                                                                                                   |
|      |         | In     |                                                                                                                                                                                                                                                                                                                   |
| 1    | 3P      | 260 51 | 160 A                                                                                                                                                                                                                                                                                                             |
| 1    | 4P      | 260 54 | 250 A                                                                                                                                                                                                                                                                                                             |
|      |         |        | <b>LED version</b>                                                                                                                                                                                                                                                                                                |
|      |         |        | Monitors the isolation state of the installation via a series of LEDs                                                                                                                                                                                                                                             |
|      |         | In     |                                                                                                                                                                                                                                                                                                                   |
| 1    | 4P      | 260 53 | 160 A                                                                                                                                                                                                                                                                                                             |
| 1    | 4P      | 260 57 | 250 A                                                                                                                                                                                                                                                                                                             |

| Pack | Cat.Nos |        | Plug-in version                                                             |
|------|---------|--------|-----------------------------------------------------------------------------|
|      |         |        | A plug-in is a DPX fitted with tulip contacts mounted on a base             |
|      |         |        | <b>Tulip contacts</b>                                                       |
| 1    | 3P      | 265 29 | Set of tulip contacts (supplied with an incoming/outgoing protective cover) |
|      | 4P      | 265 30 |                                                                             |
|      |         |        | <b>Bases for DPX only</b>                                                   |
|      |         |        | Accept DPX/DPX-I fitted with tulip contacts                                 |
| 1    | 3P      | 265 31 | Front terminal mounting base                                                |
| 1    | 4P      | 265 33 | Rear terminal mounting base with threaded rod                               |
| 1    | 4P      | 265 35 | Flat rear terminal mounting base                                            |
|      |         |        | <b>Bases for DPX with earth leakage module</b>                              |
| 1    | 4P      | 265 37 | Front terminal mounting base                                                |
| 1    | 4P      | 265 38 | Rear terminal mounting base with threaded rod                               |
| 1    | 4P      | 265 39 | Flat rear terminal mounting base                                            |
|      |         |        | <b>Accessories</b>                                                          |
| 1    |         | 263 99 | Set of connectors (8-pin)                                                   |
| 1    |         | 098 19 | Set of connectors (6-pin)                                                   |
| 1    |         | 263 43 | Set of 2 extractor handle                                                   |

| Pack | Cat.Nos |        | Draw-out version                                                                                                                                |
|------|---------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |        | A DPX draw-out version is a plug-in DPX fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX while keeping it on its base |
|      |         |        | <b>"Debro-lift" mechanism</b>                                                                                                                   |
|      |         |        | Supplied with a rigid slide and handle for drawing-out                                                                                          |
| 1    | 3P      | 265 45 | For DPX base only                                                                                                                               |
| 1    | 4P      | 265 46 | For DPX base with earth leakage module                                                                                                          |
|      |         | 265 47 |                                                                                                                                                 |
|      |         |        | <b>Key lock for "Debro-lift" mechanism</b>                                                                                                      |
|      |         |        | Enable locking of DPX in drawn-out position                                                                                                     |
| 1    |         | 265 76 | 1 key Ronis for DPX only                                                                                                                        |
| 1    |         | 265 78 | 1 key Ronis for motorised DPX or with rotary handle                                                                                             |
|      |         |        | <b>Accessories for "Debro-lift" mechanism</b>                                                                                                   |
| 1    |         | 265 75 | Isolated handle for drawing-out                                                                                                                 |
| 1    |         | 265 74 | Signalling contact (plugged-in/drawn-out)                                                                                                       |

| Pack | Cat.Nos |        | Supply inverter type                                                         |
|------|---------|--------|------------------------------------------------------------------------------|
|      |         |        | A supply inverter type is composed of one plate with interlock for 2 devices |
| 1    |         | 264 08 | Plate for MCCB or trip-free switch fixed version                             |
| 1    |         | 264 03 | Plate for MCCB or trip-free switch plug-in and draw-out version              |

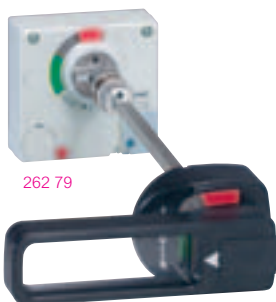


# DPX™ 250

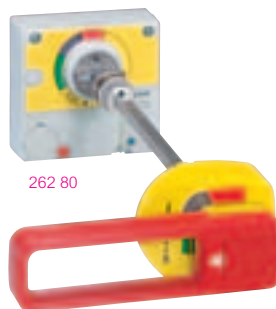
equipment and accessories



262 22



262 79



262 80



261 30

| Pack | Cat.Nos | Rotary handles                                                                                                     |
|------|---------|--------------------------------------------------------------------------------------------------------------------|
| 1    | 262 22  | <b>Direct on DPX</b>                                                                                               |
| 1    | 262 24  | Standard (grey)                                                                                                    |
|      |         | For emergency use (red/yellow)                                                                                     |
|      |         | Can be fitted on Cat.No 262 22                                                                                     |
|      |         | <b>Vari-depth handle IP 55</b>                                                                                     |
|      |         | Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism |
| 1    | 262 79  | Standard (black)                                                                                                   |
| 1    | 262 80  | Conversion kit for emergency use                                                                                   |
|      |         | Can be fitted on Cat.No 262 79                                                                                     |
|      |         | <b>Locking accessories</b>                                                                                         |
| 1    | 262 92  | Eurolocks for vari-depth handle                                                                                    |
| 1    | 262 93  | Profalux for vari-depth handle                                                                                     |
| 1    | 262 94  | Ronis for vari-depth handle                                                                                        |
| 1    | 262 25  | Eurolocks for direct handle                                                                                        |

|   |        | Motor-driven handles    |
|---|--------|-------------------------|
|   |        | <b>Front operated</b>   |
| 1 | 261 30 | 24 V~/-                 |
| 1 | 261 34 | 230 V~                  |
|   |        | <b>Accessory</b>        |
| 1 | 261 59 | Ronis locking accessory |

| Pack | Cat.Nos | Accessories                                                                                     |
|------|---------|-------------------------------------------------------------------------------------------------|
| 1    | 262 30  | <b>Insulated shields</b>                                                                        |
|      |         | Set of 3                                                                                        |
| 1    | 262 26  | <b>Sealable terminal shields</b>                                                                |
| 1    | 262 28  | Set of 2 long terminal shields                                                                  |
|      | 262 29  | Set of 2 short terminal shields                                                                 |
| 1    | 262 21  | <b>Padlock</b>                                                                                  |
|      |         | For locking in "open" position                                                                  |
| 1    | 262 35  | <b>Cage terminals</b>                                                                           |
|      |         | Set of 4 terminals for cable 185 mm <sup>2</sup> max. or 150 mm <sup>2</sup> max. (flexible)    |
|      |         | <b>Adaptor for lug</b>                                                                          |
|      |         | For connecting bare cables with wide lug                                                        |
| 1    | 262 31  | Set of 1 adaptor + insulated shields                                                            |
| 1    | 262 32  | <b>Extended front terminals</b>                                                                 |
|      |         | Set of 4                                                                                        |
| 1    | 262 33  | <b>Spreaders</b>                                                                                |
|      | 262 34  | Set of spreaders incoming or outgoing                                                           |
|      |         | <b>Rear terminals</b>                                                                           |
|      |         | Used to convert the fixed version with front terminals to the fixed version with rear terminals |
| 1    | 263 31  | Set of rear terminals, incoming or outgoing                                                     |
| 1    | 265 27  | Set of flat rear terminals, incoming or outgoing                                                |
|      | 048 68  | <b>Distribution terminal 250 A</b>                                                              |
|      |         | 250 A - 4 outputs 35 mm <sup>2</sup> flexible and 2 outputs 25 mm <sup>2</sup> flexible         |
|      |         | Can be fitted directly onto downstream terminal of DPX 250, 250 ER and DPX-IS 250               |



# DPX™ 630

thermal magnetic and electronic release MCCBs from 250 to 630 A



255 40



255 53



256 07

Green indicator lamp (only S1): normal operation minimum current for indicator lamp operation (30 % of  $I_n$ )  
Fixed red indicator lamp:  $\geq 0.9 I_r$   
Flushing red indicator lamp:  $I \geq 1.05 I_r$  connector for test unit



Dimensions (p. 82)  
Electrical characteristics (p. 84)

Moulded case MCCBs for switching, control isolation and protection of low voltage electrical lines

Can be fitted with auxiliaries (p. 76)

Can be used with earth leakage modules or with residual current relays (p. 77)

Supplied complete with:

- connection plates for bars
- terminal shields

Conform to IEC 60947-2 - Sealable adjustment

Can be mounted on plate in XL<sup>3</sup> cabinets and enclosures

| Pack | Cat.Nos  |        | DPX 630 thermal magnetic                                                         |
|------|----------|--------|----------------------------------------------------------------------------------|
|      |          |        | Thermal adjustable from 0.8 to 1 $I_n$<br>Magnetic adjustable from 5 to 10 $I_n$ |
|      |          |        |                                                                                  |
|      |          |        | <b>DPX 630 36 kA</b><br>Breaking capacity $I_{cu}$ 36 kA (400 V~)<br>$I_n$       |
|      | 3P       | 4P     |                                                                                  |
| 1    | 255 21   | 255 36 | 250 A                                                                            |
| 1    | 255 22   | 255 37 | 320 A                                                                            |
| 1    | 255 23   | 255 38 | 400 A                                                                            |
| 1    | 255 25   | 255 39 | 500 A                                                                            |
| 1    | 255 24   | 255 40 | 630 A                                                                            |
|      | 3P + N/2 |        | $I_n$                                                                            |
| 1    | 255 32   |        | 320 A                                                                            |
| 1    | 255 33   |        | 400 A                                                                            |
| 1    | 255 35   |        | 500 A                                                                            |
| 1    | 255 34   |        | 630 A                                                                            |
|      |          |        | <b>DPX-H 630 70 kA</b><br>Breaking capacity $I_{cu}$ 70 kA (400 V~)<br>$I_n$     |
|      | 3P       | 4P     |                                                                                  |
| 1    | 255 42   | 255 57 | 320 A                                                                            |
| 1    | 255 43   | 255 58 | 400 A                                                                            |
| 1    | 255 45   | 255 59 | 500 A                                                                            |
| 1    | 255 44   | 255 60 | 630 A                                                                            |
|      | 3P + N/2 |        | $I_n$                                                                            |
| 1    | 255 52   |        | 320 A                                                                            |
| 1    | 255 53   |        | 400 A                                                                            |
| 1    | 255 55   |        | 500 A                                                                            |
| 1    | 255 54   |        | 630 A                                                                            |
|      |          |        | <b>DPX-L 630 100 kA</b><br>Breaking capacity $I_{cu}$ 100 kA (400 V~)<br>$I_n$   |
|      | 3P       | 4P     |                                                                                  |
| 1    | 255 62   | 255 77 | 320 A                                                                            |
| 1    | 255 63   | 255 78 | 400 A                                                                            |
| 1    | 255 65   | 255 79 | 500 A                                                                            |
| 1    | 255 64   | 255 80 | 630 A                                                                            |
|      | 3P + N/2 |        | $I_n$                                                                            |
| 1    | 255 73   |        | 400 A                                                                            |
| 1    | 255 75   |        | 500 A                                                                            |
| 1    | 255 74   |        | 630 A                                                                            |

| Pack | Cat.Nos |                   | DPX 630 electronic release S1                                                                                                                                     |
|------|---------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |                   | Adjustment of $I_r$ , $I_m$ , (p. 72)<br>Instantaneous protection $I_f = 5 kA$<br>Indicator lamp <sup>(1)</sup><br>Connector for test unit<br>Dynamic selectivity |
|      |         |                   |                                                                                                                                                                   |
|      |         |                   | <b>DPX 630 36 kA</b><br>Breaking capacity $I_{cu}$ 36 kA (400 V~)<br>$I_n$                                                                                        |
|      | 3P      | 4P <sup>(2)</sup> |                                                                                                                                                                   |
| 1    | 256 01  | 256 05            | 250 A                                                                                                                                                             |
| 1    | 256 02  | 256 06            | 400 A                                                                                                                                                             |
| 1    | 256 03  | 256 07            | 630 A                                                                                                                                                             |
|      |         |                   | <b>DPX-H 630 70 kA</b><br>Breaking capacity $I_{cu}$ 70 kA (400 V~)<br>$I_n$                                                                                      |
| 1    | 256 10  | 256 14            | 400 A                                                                                                                                                             |
| 1    | 256 11  | 256 15            | 630 A                                                                                                                                                             |
|      |         |                   | <b>DPX-L 630 100 kA</b><br>Breaking capacity $I_{cu}$ 100 kA (400 V~)<br>$I_n$                                                                                    |
| 1    | 256 18  | 256 22            | 400 A                                                                                                                                                             |
| 1    | 256 19  | 256 23            | 630 A                                                                                                                                                             |

(1) Green indicator lamp  
(2) Adjustment of neutral on front panel

## DPX™ 630

thermal magnetic and electronic release MCCBs  
from 250 to 630 A (continued)



256 35



260 63

### DPX 630 electronic release S2

| Pack | Cat.Nos |                   |                                                                                                                                                                                           |
|------|---------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |         |                   | Adjustment of $I_r$ , $I_m$ , $T_r$ , $T_m$ (above)<br>Instantaneous protection $I_f = 5$ kA<br>Indicator lamp <sup>(1)</sup><br>Connector for test unit<br>Logic and dynamic selectivity |
|      |         |                   |                                                                                                                                                                                           |
|      |         |                   | <b>DPX 630 36 kA</b><br>Breaking capacity $I_{cu}$ 36 kA (400 V~)<br>$I_n$                                                                                                                |
|      | 3P      | 4P <sup>(2)</sup> |                                                                                                                                                                                           |
| 1    | 256 26  | 256 30            | 250 A                                                                                                                                                                                     |
| 1    | 256 27  | 256 31            | 400 A                                                                                                                                                                                     |
| 1    | 256 28  | 256 32            | 630 A                                                                                                                                                                                     |
|      |         |                   | <b>DPX-H 630 70 kA</b><br>Breaking capacity $I_{cu}$ 70 kA (400 V~)<br>$I_n$                                                                                                              |
| 1    | 256 35  | 256 39            | 400 A                                                                                                                                                                                     |
| 1    | 256 36  | 256 40            | 630 A                                                                                                                                                                                     |
|      |         |                   | <b>DPX-L 630 100 kA</b><br>Breaking capacity $I_{cu}$ 100 kA (400 V~)<br>$I_n$                                                                                                            |
| 1    | 256 43  | 256 47            | 400 A                                                                                                                                                                                     |
| 1    | 256 44  | 256 48            | 630 A                                                                                                                                                                                     |

### Earth leakage modules

Can be fitted onto DPX/DPX-I 630  
Adjustable, sealable sensitivity:  
0.03 - 0.3 - 1 - 3 A  
Adjustable, time delay: 0 - 0.3 - 1 - 3 s  
Test push-button  
Reset push-button  
Remote earth fault signalling contact  
Switch for mechanical tests (installation insulation test)  
Mounted underneath  
230-500 V~

#### Standard

$I_n$   
400 A  
630 A

#### LED version

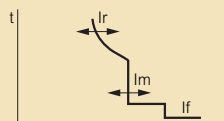
Monitors the isolation state of the installation via a series of LEDs

$I_n$   
400 A  
630 A

## DPX™ 630

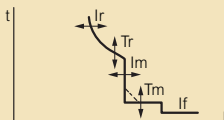
### ■ Performance data

#### S1 - Adjustment of $I_r$ , $I_m$



- Long delay protection against overloads with an adjustable threshold based on the rms value of the current:  
 $I_r = 0.4 - 0.5 - 0.7 - 0.8 - 0.95 - 1 \times I_n$  (8 steps)  
 $T_r = 5$  s (fixed at 6 tr)
- Short delay protection against short-circuits with an adjustable  $I_m$  threshold:  
 $I_m = 1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10 \times I_r$  (8 steps)  
 $T_m = 0.05$  s (fixed)
- Instantaneous protection  
if with fixed threshold:  $I_f = 5$  kA

#### S2 - Adjustment of $I_r$ , $T_r$ , $I_m$ , $T_m$

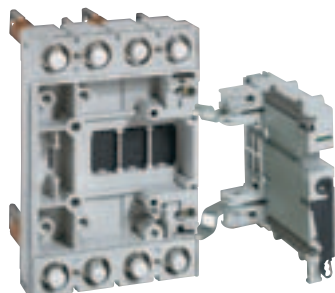


- Long delay protection against overloads with an adjustable threshold based on the rms value of the current:  
 $I_r = 0.4 - 0.5 - 0.7 - 0.8 - 0.9 - 0.95 - 1 \times I_n$  (8 steps)  
 $T_r = 5 - 10 - 20 - 30$  s (at 6  $I_r$ ) (4 steps)
- Short delay protection against short-circuits with an adjustable  $I_m$  threshold:  
 $I_m = 1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10 \times I_r$  (8 steps)  
 $T_m = 0 - 0.1 - 0.2 - 0.3$  s (4 steps)  
 $T_m = 0.01 - 0.1 - 0.2 - 0.3$  s at  $12 \times I_r$  ( $I_2 t$  constant) (4 steps)
- Instantaneous protection against short-circuits  
with fixed threshold:  $I_f = 5$  kA

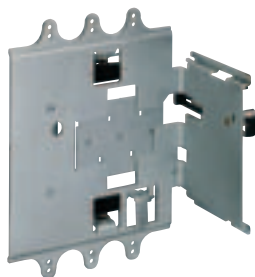
(1) Green indicator lamp  
(2) Adjustment of neutral on front panel

# DPX™ 630

## equipment and accessories



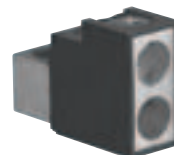
265 57



265 67



262 50



262 51



262 48

| Pack | Cat.Nos |        | Plug-in version                                                             |
|------|---------|--------|-----------------------------------------------------------------------------|
|      | 3P      | 4P     |                                                                             |
| 1    | 265 50  | 265 51 | A plug-in is a DPX fitted with tulip contacts mounted on a base             |
|      |         |        | <b>Tulip contacts</b>                                                       |
|      |         |        | Set of tulip contacts (supplied with an incoming/outgoing protective cover) |
|      |         |        | <b>Bases for DPX only</b>                                                   |
|      |         |        | Accept DPX/DPX-I fitted with tulip contacts                                 |
| 1    | 265 52  | 265 53 | Front terminal mounting base                                                |
| 1    | 265 54  | 265 55 | Rear terminal mounting base with threaded rod                               |
| 1    | 265 56  | 265 57 | Flat rear terminal mounting base                                            |
|      | 4P      |        | <b>Bases for DPX with earth leakage module</b>                              |
| 1    | 265 58  |        | Front terminal mounting base                                                |
| 1    | 265 59  |        | Rear terminal mounting base with threaded rod                               |
| 1    | 265 60  |        | Flat rear terminal mounting base                                            |
|      |         |        | <b>Accessories</b>                                                          |
| 1    | 263 68  |        | Set of 2 extractor handle                                                   |
| 1    | 263 99  |        | Set of connectors (8-pin)                                                   |

| Pack | Cat.Nos |        | Draw-out version                                                                                                                                |
|------|---------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 3P      | 4P     |                                                                                                                                                 |
| 1    | 265 66  | 265 67 | A DPX draw-out version is a plug-in DPX fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX while keeping it on its base |
| 1    | 265 68  | 265 68 | <b>"Debro-lift" mechanism</b>                                                                                                                   |
|      |         |        | Supplied with a rigid slide and handle for drawing-out                                                                                          |
|      |         |        | For DPX base only                                                                                                                               |
|      |         |        | For DPX base with earth leakage module                                                                                                          |
|      |         |        | <b>Key-lock for "Debro-lift" mechanism</b>                                                                                                      |
|      |         |        | Enable locking of DPX in drawn-out position                                                                                                     |
| 1    | 265 76  |        | 1 key Ronis for DPX only                                                                                                                        |
| 1    | 265 78  |        | 1 key Ronis for motorised DPX or with rotary handle                                                                                             |
|      |         |        | <b>Accessories for "Debro-lift" mechanism</b>                                                                                                   |
| 1    | 265 75  |        | Isolated handle for drawing-out                                                                                                                 |
| 1    | 265 74  |        | Signalling contact (plugged-in/drawn-out)                                                                                                       |

| Pack | Cat.Nos |  | Supply inverter type                                                         |
|------|---------|--|------------------------------------------------------------------------------|
|      |         |  |                                                                              |
| 1    | 264 09  |  | Factory assembled                                                            |
|      |         |  | A supply inverter type is composed of one plate with interlock for 2 devices |
| 1    | 264 04  |  | Plate for MCCB or trip-free switch fixed version                             |
|      |         |  | Plate for MCCB or trip-free switch plug-in and draw-out version              |

| Pack | Cat.Nos |  | Rotary handles                                                           |
|------|---------|--|--------------------------------------------------------------------------|
|      |         |  |                                                                          |
| 1    | 262 41  |  | <b>Direct on DPX</b>                                                     |
| 1    | 262 24  |  | Standard (grey)                                                          |
|      |         |  | For emergency use (red/yellow) can be fitted on Cat.Nos 262 41 or 262 81 |

| Pack | Cat.Nos |  | Rotary handles (continued)                                                                                         |
|------|---------|--|--------------------------------------------------------------------------------------------------------------------|
|      |         |  |                                                                                                                    |
|      |         |  | <b>Vari-depth handle IP 55</b>                                                                                     |
|      |         |  | Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism |
| 1    | 262 81  |  | Standard (grey)                                                                                                    |
| 1    | 262 82  |  | For emergency use (red/yellow) can be fitted on Cat.Nos 262 81 or 262 41                                           |
|      |         |  | <b>Locking accessories</b>                                                                                         |
| 1    | 262 92  |  | Eurolocks for vari-depth handle                                                                                    |
| 1    | 262 93  |  | Profalux for vari-depth handle                                                                                     |
| 1    | 262 94  |  | Ronis for vari-depth handle                                                                                        |
| 1    | 262 25  |  | Eurolocks for direct handle                                                                                        |
|      |         |  | <b>Motor-driven handles</b>                                                                                        |
|      |         |  | <b>Front operated</b>                                                                                              |
| 1    | 261 40  |  | 24 V~/~                                                                                                            |
| 1    | 261 44  |  | 230 V~/~                                                                                                           |
|      |         |  | <b>Accessory</b>                                                                                                   |
| 1    | 261 59  |  | Ronis locking accessory                                                                                            |

| Pack | Cat.Nos |        | Accessories                                                                                                      |
|------|---------|--------|------------------------------------------------------------------------------------------------------------------|
|      |         |        |                                                                                                                  |
| 1    | 262 30  |        | <b>Insulated shields</b>                                                                                         |
|      |         |        | Set of 3                                                                                                         |
|      | 3P      | 4P     | <b>Sealable terminal shields</b>                                                                                 |
| 1    | 262 44  | 262 45 | Set of 2                                                                                                         |
|      |         |        | <b>Padlock</b>                                                                                                   |
| 1    | 262 40  |        | For locking in "OPEN" position                                                                                   |
|      |         |        | <b>Cage terminals</b>                                                                                            |
| 1    | 262 50  |        | Set of 4 terminals for cable 300 mm <sup>2</sup> max. (rigid) or 240 mm <sup>2</sup> max. (flexible)             |
| 1    | 262 51  |        | Set of 4 high-capacity terminals for cable 2 x 240 mm <sup>2</sup> (rigid) or 2 x 185 mm <sup>2</sup> (flexible) |
|      |         |        | <b>Adaptor for lug</b>                                                                                           |
|      |         |        | For connecting bare cables with wide lugs                                                                        |
| 1    | 262 46  |        | Set of 4 adaptors + insulated shields                                                                            |
|      |         |        | <b>Extended front terminals</b>                                                                                  |
| 1    | 262 47  |        | Set of 4                                                                                                         |
|      | 3P      | 4P     | <b>Spreaders</b>                                                                                                 |
| 1    | 262 48  | 262 49 | Set of spreaders, incoming or outgoing                                                                           |
|      |         |        | <b>Rear terminals</b>                                                                                            |
|      |         |        | Used to convert the fixed version with front terminals to the fixed version with rear terminals                  |
| 1    | 263 50  | 263 51 | Swivel terminals, incoming or outgoing                                                                           |
| 1    | 263 52  | 265 53 | Flat terminals, incoming or outgoing                                                                             |

# DPX™ 1 250 - 1 600

thermal magnetic and electronic release MCCBs from 800 to 1 600 A



258 04



257 08



Dimensions (p. 83)  
Electrical characteristics (p. 84)

Moulded case MCBs for switching, control isolation and protection of low voltage electrical lines  
Can be fitted with auxiliaries (integrated terminal blocks)  
Can be used with earth leakage modules or with residual current relays (p. 77)  
Supplied complete with:  
- connection plates for bars  
- terminal shields  
Conform to IEC 60947-2  
Fixed version - Sealable adjustment

| Pack | Cat.Nos   |              | DPX 1250 thermal magnetic                                                      |
|------|-----------|--------------|--------------------------------------------------------------------------------|
|      |           |              | Thermal adjustable from 0.8 to 1 In<br>Magnetic adjustable from:<br>5 to 10 In |
|      |           |              |                                                                                |
|      |           |              | <b>DPX 1250 50 kA</b><br>Breaking capacity Icu 50 kA (400 V~)<br>In            |
| 1    | 3P 258 02 | 4P(1) 258 09 | 800 A                                                                          |
| 1    | 258 03    | 258 10       | 1 000 A                                                                        |
| 1    | 258 04    | 258 11       | 1 250 A                                                                        |
|      |           |              | <b>DPX-H 1250 70 kA</b><br>Breaking capacity Icu 70 kA (400 V~)<br>In          |
| 1    | 258 16    | 258 23       | 800 A                                                                          |
| 1    | 258 17    | 258 24       | 1 000 A                                                                        |
| 1    | 258 18    | 258 25       | 1 250 A                                                                        |
|      |           |              | <b>DPX-L 1250 100 kA</b><br>Breaking capacity Icu 100 kA (400 V~)<br>In        |
| 1    | 258 30    | 258 39       | 800 A                                                                          |
| 1    | 258 31    | 258 40       | 1 000 A                                                                        |
| 1    | 258 32    | 258 41       | 1 250 A                                                                        |

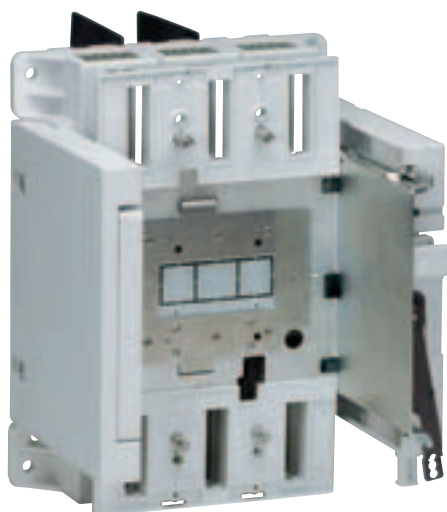
| Pack | Cat.Nos   |              | DPX 1600 electronic release S1                                                                                                                 |
|------|-----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|      |           |              | Adjustment of Ir, Im<br>Instantaneous protection If = 20 kA<br>Indicator lamp <sup>(2)</sup><br>Connector for test unit<br>Dynamic selectivity |
|      |           |              |                                                                                                                                                |
|      |           |              | <b>DPX 1600 50 kA</b><br>Breaking capacity Icu 50 kA (400 V~)<br>In                                                                            |
| 1    | 3P 257 02 | 4P(1) 257 06 | 800 A                                                                                                                                          |
| 1    | 257 03    | 257 07       | 1 250 A                                                                                                                                        |
| 1    | 257 04    | 257 08       | 1 600 A                                                                                                                                        |
|      |           |              | <b>DPX-H 1600 70 kA</b><br>Breaking capacity Icu 70 kA (400 V~)<br>In                                                                          |
| 1    | 257 10    | 257 14       | 800 A                                                                                                                                          |
| 1    | 257 11    | 257 15       | 1 250 A                                                                                                                                        |
| 1    | 257 12    | 257 16       | 1 600 A                                                                                                                                        |

| Pack | Cat.Nos   |              | DPX 1600 electronic release S2                                                                                                                                   |
|------|-----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |           |              | Adjustment of Ir, Im, Tr, Tm<br>Instantaneous protection If = 20 kA<br>Indicator lamp <sup>(2)</sup><br>Connector for test unit<br>Logic and dynamic selectivity |
|      |           |              |                                                                                                                                                                  |
|      |           |              | <b>DPX 1600 50 kA</b><br>Breaking capacity Icu 50 kA (400 V~)<br>In                                                                                              |
| 1    | 3P 257 26 | 4P(1) 257 30 | 800 A                                                                                                                                                            |
| 1    | 257 27    | 257 31       | 1 250 A                                                                                                                                                          |
| 1    | 257 28    | 257 32       | 1 600 A                                                                                                                                                          |
|      |           |              | <b>DPX-H 1600 70 kA</b><br>Breaking capacity Icu 70 kA (400 V~)<br>In                                                                                            |
| 1    | 257 34    | 257 38       | 800 A                                                                                                                                                            |
| 1    | 257 35    | 257 39       | 1 250 A                                                                                                                                                          |
| 1    | 257 36    | 257 40       | 1 600 A                                                                                                                                                          |

(1) Neutral without protection  
(2) Minimum current for indicator lamp operation (30 % In):  
green: normal; fixed red:  $I \geq 0.9 I_r$ ; flushing red:  $I \geq 1.05 I_r$

# DPX™ 1 250 - 1 600

equipment and accessories



265 84 (supplied assembled)



262 60



262 70



262 67 + 262 68

| Pack | Cat.Nos   | Draw-out version                                                                                                                                |
|------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|      |           | A DPX draw-out version is a plug-in DPX fitted with a "Debro-lift" mechanism which can be used to withdraw the DPX while keeping it on its base |
|      |           | <b>Draw-out base</b>                                                                                                                            |
|      |           | Base for DPX 1 600 supplied with "Debro-lift" assembled a rigid slide and handle for drawing-out                                                |
| 1    | 3P 265 82 | Front terminals                                                                                                                                 |
| 1    | 4P 265 83 | Rear terminals                                                                                                                                  |
|      |           | <b>Key lock for "Debro-lift" mechanism</b>                                                                                                      |
|      |           | Enable locking of DPX in drawn-out position                                                                                                     |
| 1    | 265 76    | One key Ronis for DPX only                                                                                                                      |
| 1    | 265 80    | Two key Ronis (one key supplied) for motorised DPX or with rotary handle                                                                        |
|      |           | <b>Accessories for "Debro-lift" mechanism</b>                                                                                                   |
| 1    | 265 75    | Isolated handle for drawing-out                                                                                                                 |
| 1    | 265 74    | Signalling contact (plugged-in/drawn-out)                                                                                                       |

| Pack | Cat.Nos | Supply inverter type                                                         |
|------|---------|------------------------------------------------------------------------------|
|      |         | A supply inverter type is composed of one plate with interlock for 2 devices |
| 1    | 264 10  | Plate for MCCBs or trip-free switch fixed version                            |
| 1    | 264 05  | Plate for MCCBs or trip-free switch plug-in and draw-out version             |

| Pack | Cat.Nos | Rotary handles                                                                                                     |
|------|---------|--------------------------------------------------------------------------------------------------------------------|
|      |         | <b>Direct on DPX</b>                                                                                               |
| 1    | 262 61  | Standard (black)                                                                                                   |
|      |         | <b>Vari-depth handle IP 55</b>                                                                                     |
|      |         | Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism |
| 1    | 262 83  | Standard (black)                                                                                                   |
| 1    | 262 84  | For emergency use (red/yellow)                                                                                     |
|      |         | <b>Locking accessories</b>                                                                                         |
| 1    | 262 92  | Eurolocks for vari-depth handle                                                                                    |
| 1    | 262 93  | Profalux for vari-depth handle                                                                                     |
| 1    | 262 94  | Ronis for vari-depth handle                                                                                        |
| 1    | 262 25  | Eurolocks for direct handle                                                                                        |

| Pack | Cat.Nos | Motor-driven handles     |
|------|---------|--------------------------|
|      |         | <b>Factory assembled</b> |
|      |         | Front operated           |
| 1    | 261 54  | 230 V~                   |
| 1    | 261 59  | Ronis locking accessory  |

| Pack | Cat.Nos   | Accessories                                                                                     |
|------|-----------|-------------------------------------------------------------------------------------------------|
|      |           | <b>Insulated shields</b>                                                                        |
|      |           | Used to isolate the connections between each pole                                               |
| 1    | 262 66    | Set of 3                                                                                        |
|      |           | <b>Sealable terminal shields</b>                                                                |
| 1    | 3P 262 64 | Set of 2                                                                                        |
|      |           | <b>Padlock</b>                                                                                  |
| 1    | 262 60    | For locking in "open" position                                                                  |
|      |           | <b>Cage terminals</b>                                                                           |
| 1    | 262 69    | For cables without lug                                                                          |
|      |           | 2 x 240 mm <sup>2</sup> (rigid) or                                                              |
|      |           | 2 x 185 mm <sup>2</sup> (flexible)                                                              |
| 1    | 262 70    | Set of 1 high-capacity terminal for cables without lug                                          |
|      |           | 4 x 240 mm <sup>2</sup> for rigid cable                                                         |
|      |           | 4 x 185 mm <sup>2</sup> for flexible cable                                                      |
|      |           | <b>Extended front terminals</b>                                                                 |
|      |           | Set of 4                                                                                        |
| 1    | 262 67    | For 630 - 1 250 A (2 bars max. per pole)                                                        |
| 1    | 262 68    | For 1 600 A (3 bars max. per pole)                                                              |
|      |           | <b>Spreaders</b>                                                                                |
| 1    | 3P 262 73 | Set of spreaders, incoming or outgoing                                                          |
|      |           | <b>Rear terminals</b>                                                                           |
|      |           | Used to convert the fixed version with front terminals to the fixed version with rear terminals |
| 1    | 263 80    | Set of short rear terminals, incoming or outgoing                                               |
| 1    | 263 81    | Set of long rear terminals, incoming or outgoing                                                |



## DPX™ auxiliaries



261 85



261 93

| Pack | Cat.Nos | Auxiliary contact or fault signal                                                                                                    |
|------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 261 60  | For signalling the state of the contacts or opening of the MCCB on a fault<br>For DPX/DPX-I/DPX-IS<br>Changeover switch 3 A - 240 V~ |

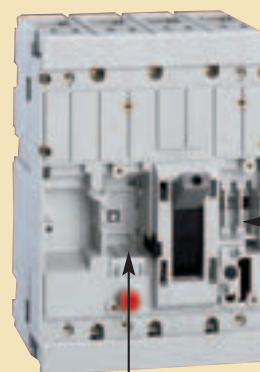
|   |        | Releases                            |
|---|--------|-------------------------------------|
|   |        | Allow remote tripping of a DPX      |
|   |        | <b>Shunt releases</b>               |
|   |        | For DPX-IS/DPX-I and DPX            |
|   |        | Shunt inrush power 300 VA           |
| 1 | 261 64 | Coil voltage 24 V~/~                |
| 1 | 261 65 | Coil voltage 48 V~/~                |
| 1 | 261 66 | Coil voltage 110 V~/~               |
| 1 | 261 67 | Coil voltage 230 V~/~               |
| 1 | 261 68 | Coil voltage 400 V~/~               |
|   |        | <b>Undervoltage releases</b>        |
|   |        | For DPX-IS/DPX-I and DPX            |
|   |        | Undervoltage power consumption 5 VA |
| 1 | 261 70 | Coil voltage 24 V~                  |
| 1 | 261 71 | Coil voltage 24 V~                  |
| 1 | 261 72 | Coil voltage 48 V~                  |
| 1 | 261 76 | Coil voltage 110 V~                 |
| 1 | 261 73 | Coil voltage 230 V~                 |
| 1 | 261 74 | Coil voltage 400 V~                 |

|   |        | Time-lag (ms) undervoltage releases                                    |
|---|--------|------------------------------------------------------------------------|
|   |        | Allow remote tripping of a DPX                                         |
|   |        | Prevent false tripping in the event of AC supply microbreaks           |
|   |        | Require a time-lag module connected to the undervoltage releases below |
| 1 | 261 90 | Time-lag modules 230 V~                                                |
| 1 | 261 91 | Time-lag modules 400 V~                                                |
| 1 | 261 75 | Undervoltage releases for DPX-IS, DPX 125 and DPX 160                  |
| 1 | 261 85 | Undervoltage releases for DPX 250 ER to 1600                           |

|   |        | Electronic test unit                                                                  |
|---|--------|---------------------------------------------------------------------------------------|
| 1 | 261 97 | Test connector and software for connecting DPX to a PC<br>Supplied with test software |

|   |        | Automation control unit                                                                                                             |
|---|--------|-------------------------------------------------------------------------------------------------------------------------------------|
|   |        | For setting the conditions for supply inversion, generator on loft status acquisition for DMX and DPX circuit-breakers, open/closed |
|   |        | Power supply: 230 V~ and 12-24-48 V~                                                                                                |
|   |        | Connection by plug-in terminals                                                                                                     |
| 1 | 261 93 | Standard unit                                                                                                                       |
| 1 | 261 94 | Communicating unit, enabling data transmission (RS 485 port)                                                                        |

## DPX™ auxiliaries



Auxiliary contact or fault signal

A singly Cat.No 261 60 auxiliary contact or fault signal



Undervoltage releases



Shunt releases



Time-lag undervoltage releases

### Max. number of contacts per DPX-IS device

|                 | Device     | Auxiliary contact |      |    | Shunt release or undervoltage release |
|-----------------|------------|-------------------|------|----|---------------------------------------|
|                 |            | AC                | EBAC | FS |                                       |
| Without release | DPX-IS 250 | 1                 | 2    | —  | —                                     |
| With release    | DPX-IS 250 | 1                 | 1    | 1  | 1                                     |

AC = auxiliary contact  
EBAC = "early" auxiliary contact  
FS = break on trip contact

### Max. number of contacts per DPX device

| Device     | Auxiliary contact |    | Shunt release or undervoltage release |
|------------|-------------------|----|---------------------------------------|
|            | AC                | FS |                                       |
| DPX 125    | 1                 | 1  | 1                                     |
| DPX 160    | 1                 | 1  | 1                                     |
| DPX 250 ER | 1                 | 1  | 1                                     |
| DPX 250    | 2                 | 1  | 1                                     |
| DPX 630    | 2                 | 2  | 1                                     |
| DPX 1600   | 3                 | 1  | 1                                     |



## residual current relay and coils



260 88



260 93 coil for use with relay



260 98

Add residual current protection to DPX trip-free switches and DPX MCCBs equipped with release

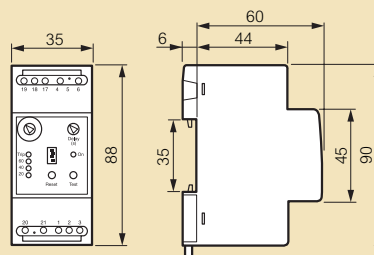
| Pack | Cat.Nos | Residual current relay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 260 88  | <p>Detects fault currents, and, when used with a shunt trip or an undervoltage release, it gives the trip command to a MCCB or a switch</p> <ul style="list-style-type: none"> <li>Comprises: <ul style="list-style-type: none"> <li>a tinged, sealable window</li> <li>an auxiliary contact</li> <li>a green Led indicating energisation</li> <li>3 yellow Leds indicating respectively the max. phase earth insulation current: 20, 40 and 60 %</li> <li>a red Led indicating</li> </ul> </li> <li>Fixed: exceeding of the insulation fault current value</li> <li>Flashing: breaking of one of the connections between coils and relays</li> <li>For use with coils: <ul style="list-style-type: none"> <li>Ø35 and 80 mm</li> </ul> </li> </ul> <p>Adjustable sensitivity: 0.03, 0.05, 0.075, 0.1, 0.15, 0.2, 0.3, 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</p> <p>Adjustable sensitivity: 0.3, 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</p> <p>Adjustable sensitivity: 0.5, 0.75, 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</p> <p>Adjustable sensitivity: 1, 1.5, 2, 3, 5, 7.5, 10, 15, 20, 30 A</p> <ul style="list-style-type: none"> <li>Adjustable trip: 0, 0.15, 0.25, 0.5, 1, 2.5, 5 seconds</li> <li>Supply voltage: 230/240 V - 50/60 Hz</li> </ul> |
|      |         | Number of modules 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|   |        | Coils                                             |
|---|--------|---------------------------------------------------|
| 1 | 260 92 | For use with residual current relay Cat.No 260 88 |
| 1 | 260 93 | 1 coil per DPX                                    |
| 1 | 260 94 | Coil Ø35 mm                                       |
| 1 | 260 95 | Coil Ø80 mm                                       |
| 1 | 260 96 | Coil Ø110 mm                                      |
| 1 | 260 97 | Coil Ø140 mm                                      |
| 1 | 260 98 | Coil Ø210 mm                                      |
| 1 | 260 97 | Coil Ø150 mm - open                               |
| 1 | 260 98 | Coil Ø300 mm - open                               |

## residual current relay and coils

### Residual current relay

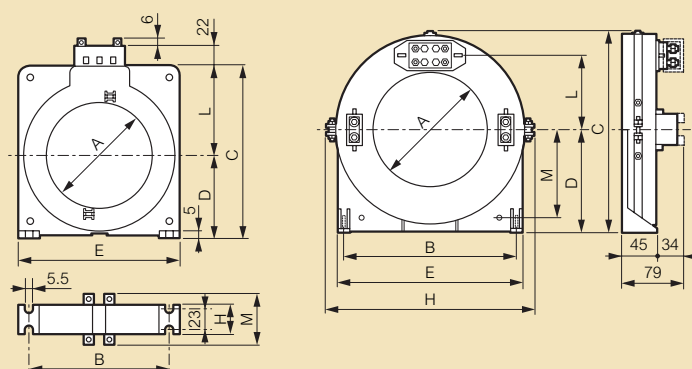
#### Cat.No 260 88



### Coils

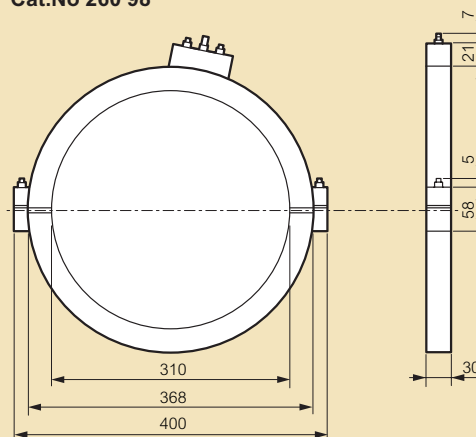
#### Cat.Nos 260 92/93/94/95/96

#### Cat.No 260 97



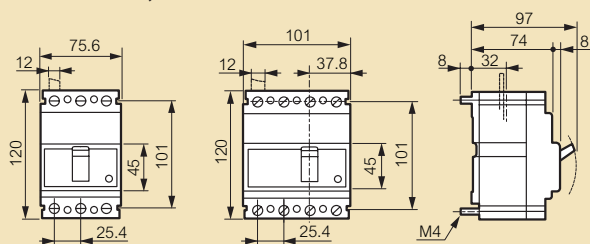
| Cat.Nos | A   | B   | C   | D   | E   | H   | L   | M   |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| 260 92  | 35  | 75  | 85  | 42  | 92  | 36  | 43  | 56  |
| 260 93  | 80  | 108 | 132 | 67  | 125 | 36  | 65  | 56  |
| 260 94  | 110 | 148 | 170 | 86  | 165 | 36  | 84  | 56  |
| 260 95  | 140 | 177 | 206 | 104 | 200 | 36  | 102 | 56  |
| 260 96  | 210 | 270 | 295 | 150 | 290 | 44  | 145 | 64  |
| 260 97  | 150 | 225 | 259 | 133 | 245 | 275 | 95  | 113 |

#### Cat.No 260 98

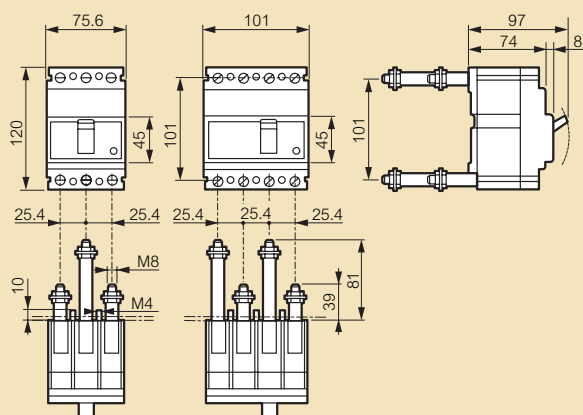


## ■ Dimensions

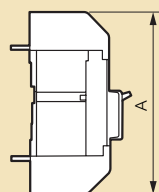
### Fixed version, front terminals



### Fixed version, rear terminals

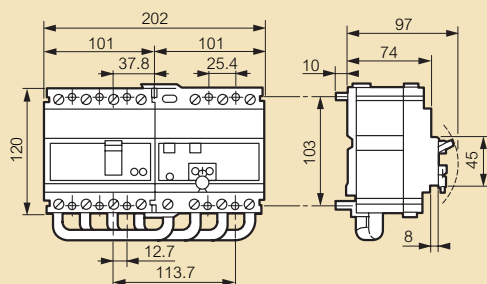


### Terminal shields

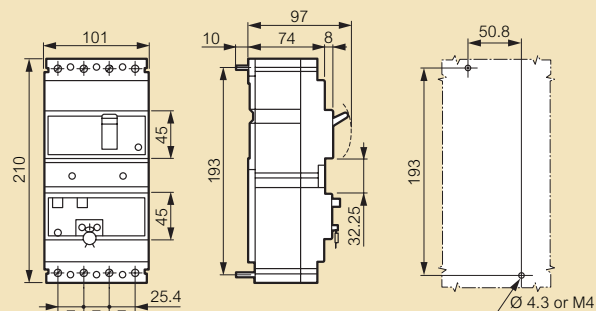


|                                                   | A   |
|---------------------------------------------------|-----|
| DPX 125                                           | 170 |
| DPX 125 + earth leakage module mounted underneath | 260 |

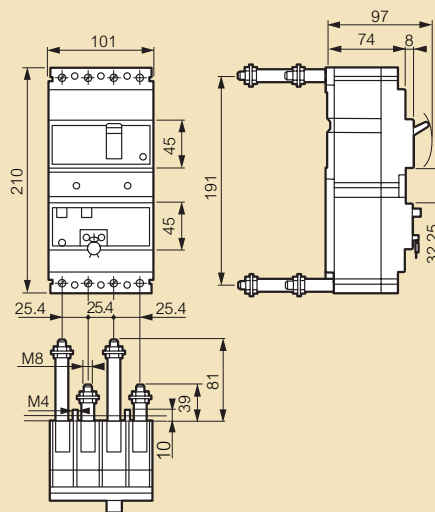
### Fixed version, front terminals with earth leakage module mounted side by side<sup>(1)</sup>



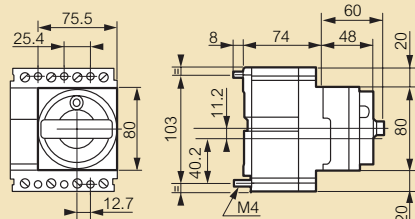
### Fixed version, front terminals with earth leakage module mounted underneath



### Fixed version, rear terminals with earth leakage module mounted underneath

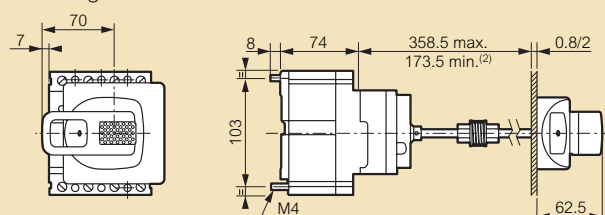


### Rotary handle-direct on DPX



### Rotary handle-vari-depth on door

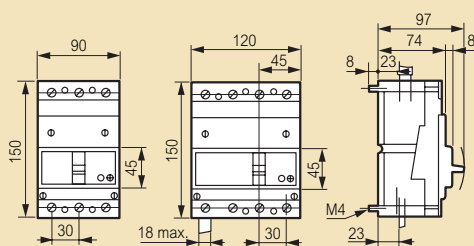
Mounting with flexible seal



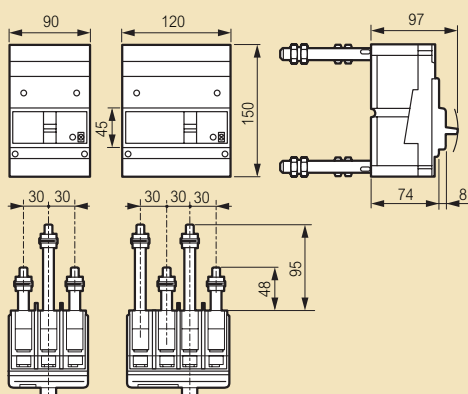
- (1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules  
(2) 70 mm without mechanical system

## ■ Dimensions

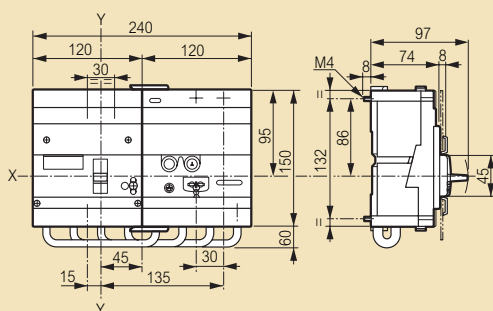
### Fixed version, front terminals



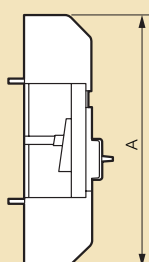
### Fixed version, rear terminals



### Fixed version, front terminals with earth leakage module mounted side by side<sup>(1)</sup>

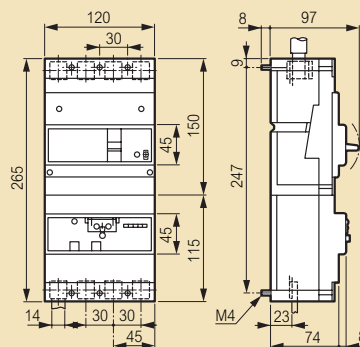


### Terminal shields

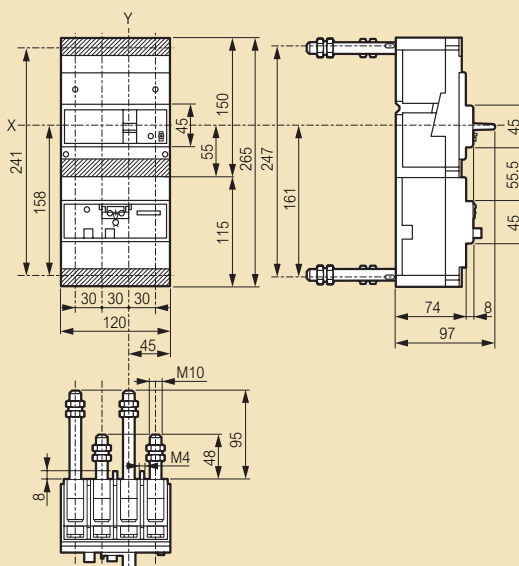


|                                                   | A   |
|---------------------------------------------------|-----|
| DPX 160                                           | 278 |
| DPX 160 + earth leakage module mounted underneath | 393 |

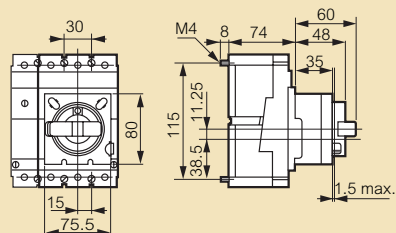
### Fixed version, front terminals with earth leakage module mounted underneath



### Fixed version, rear terminals with earth leakage module mounted underneath

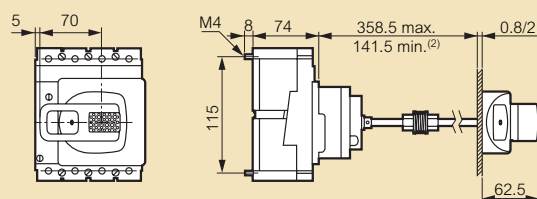


### Rotary handle direct on DPX



### Rotary handle-vari-depth on door

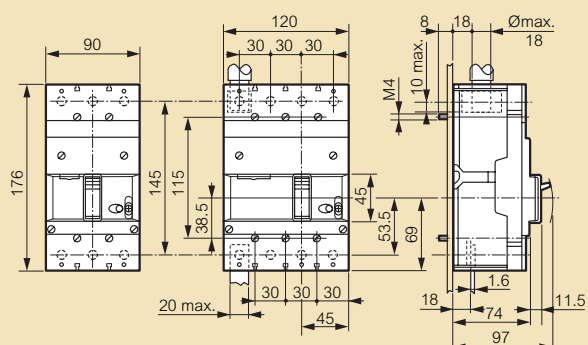
Mounting with flexible seal



(1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules  
(2) 70 mm without mechanical system

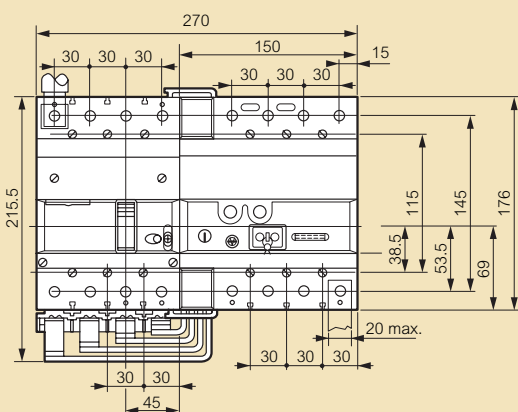
## ■ Dimensions

### Fixed version, front terminals

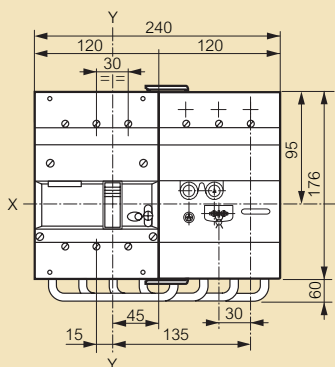


### Fixed version, front terminals with earth leakage module mounted side by side<sup>(1)</sup>

250 A



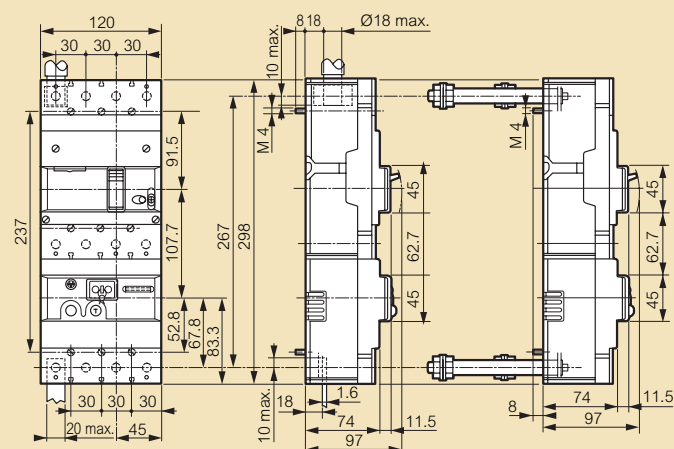
160 A



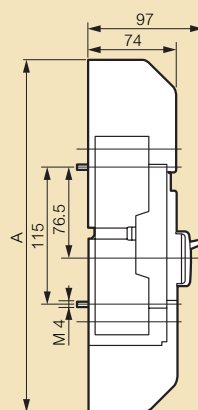
### Fixed version with earth leakage module mounted underneath

Front terminals

Rear terminals

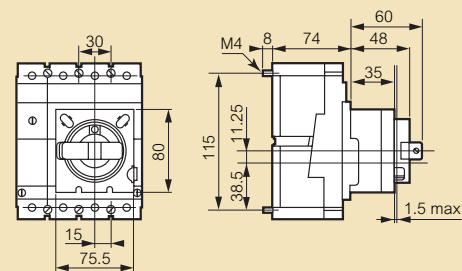


### Terminal shields



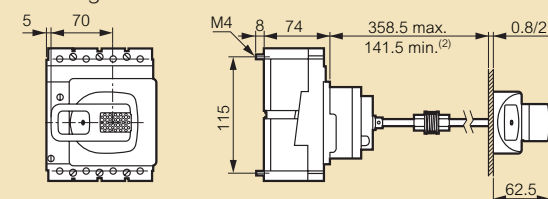
|                                   | A   |
|-----------------------------------|-----|
| DPX 250 ER                        | 296 |
| DPX 250 ER + earth leakage module | 418 |

### Rotary handle-direct on DPX



### Rotary handle-vari-depth on door

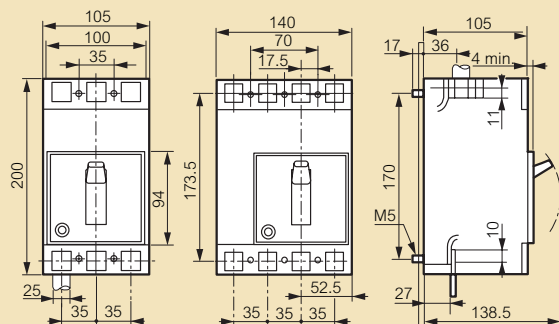
Mounting flexible seal



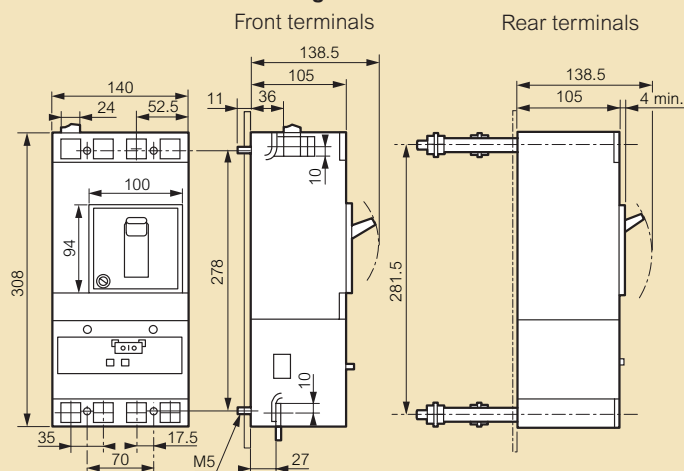
(1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules  
(2) 75 mm without mechanical system

## ■ Dimensions

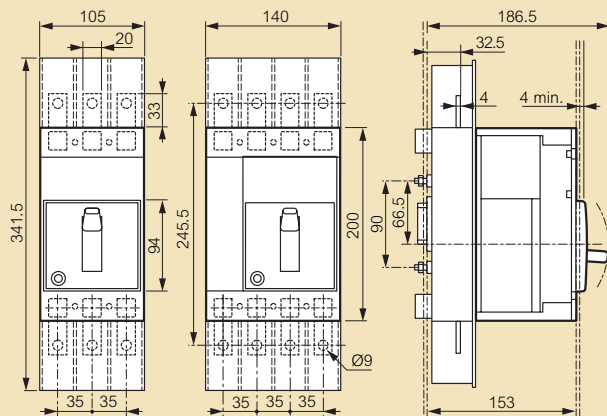
### Fixed version, front terminals



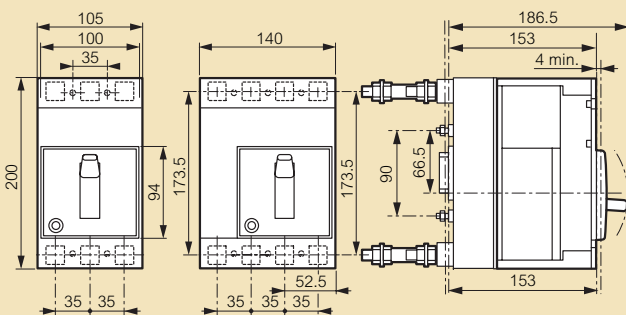
### Fixed version with earth leakage module mounted underneath<sup>(1)</sup>



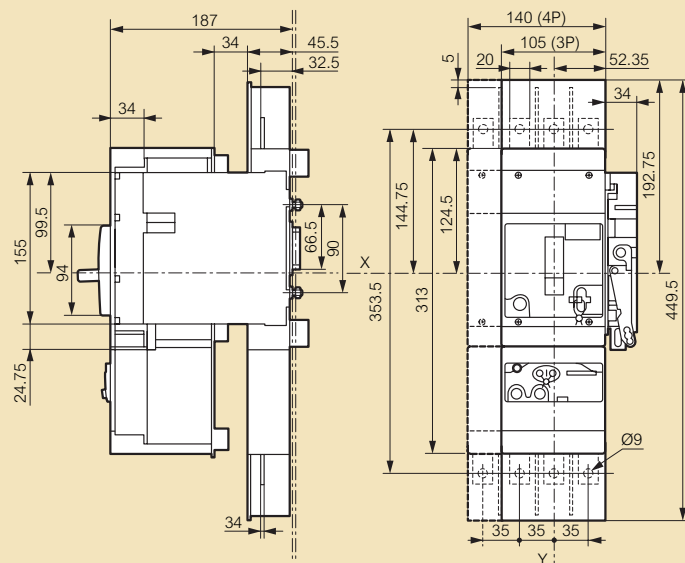
### Plug-in version, front terminals



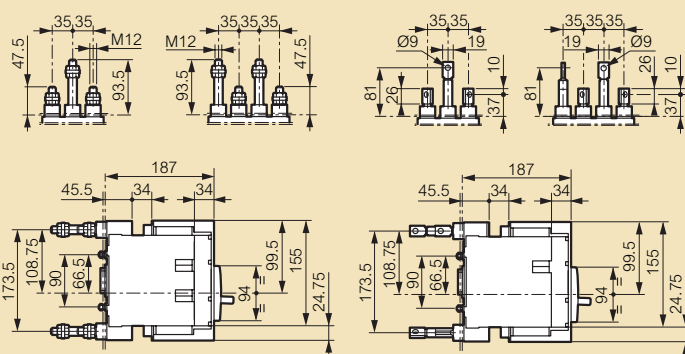
### Plug-in version, rear terminals



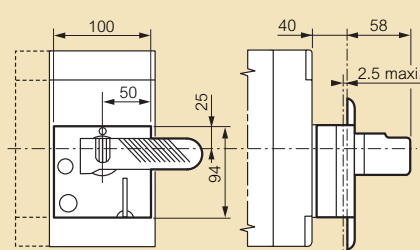
### Draw-out version, front terminals



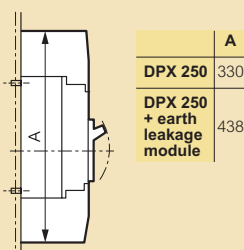
### Draw-out version, rear terminals



### Rotary handle-direct on DPX

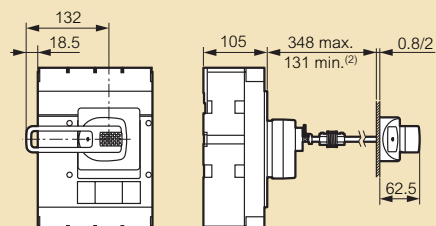


### Terminal shields



### Rotary handle-vari-depth on door

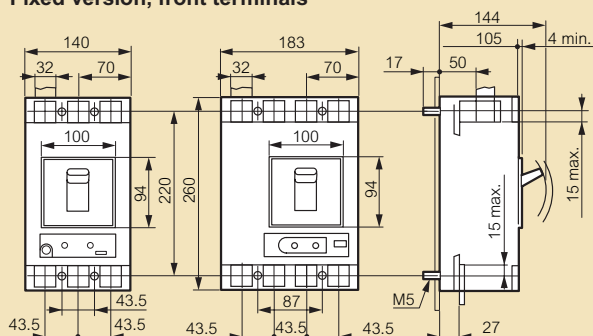
Mounting with flexible seal



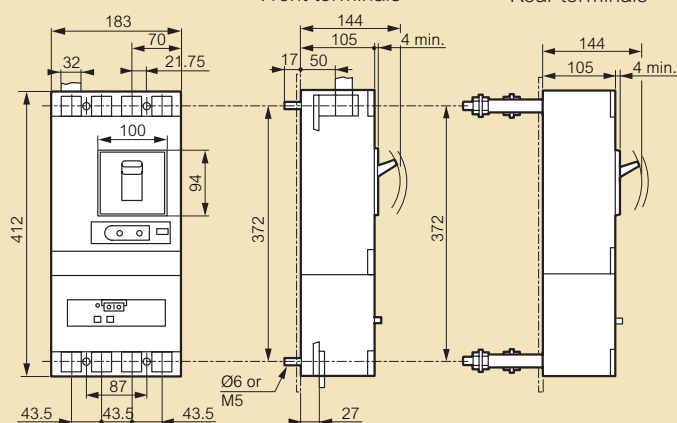
(1) Dimensions of 3-pole earth leakage modules are the same as 4-pole earth leakage modules  
(2) 75 mm without mechanical system

## ■ Dimensions

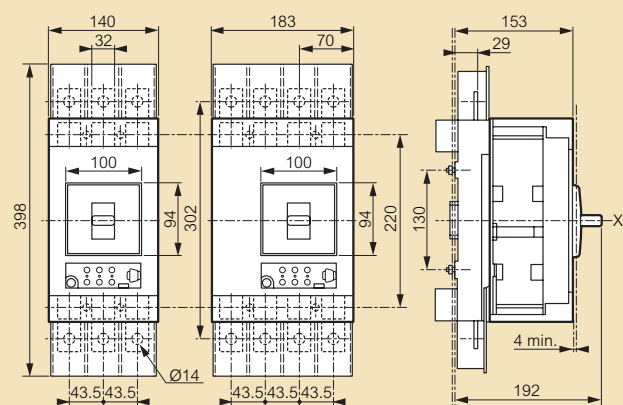
### Fixed version, front terminals



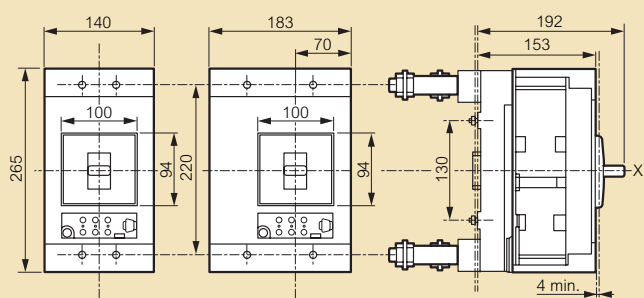
### Fixed version with earth leakage module mounted underneath



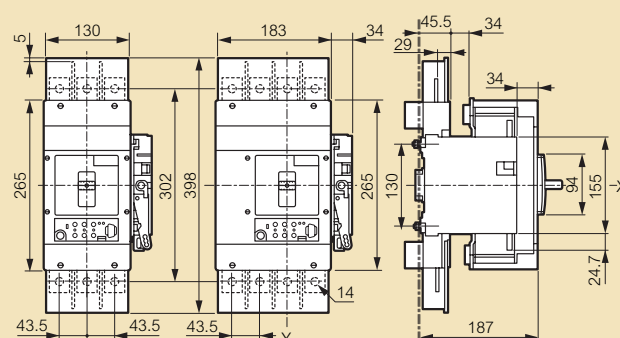
### Plug-in version, front terminals



### Plug-in version, rear terminals

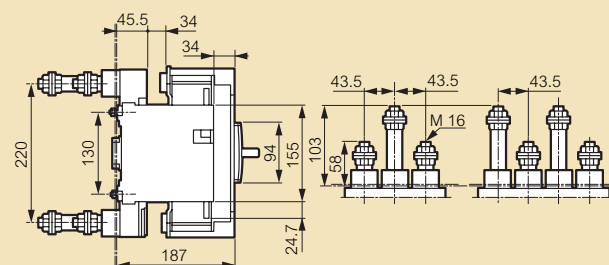


### Draw-out version, front terminals

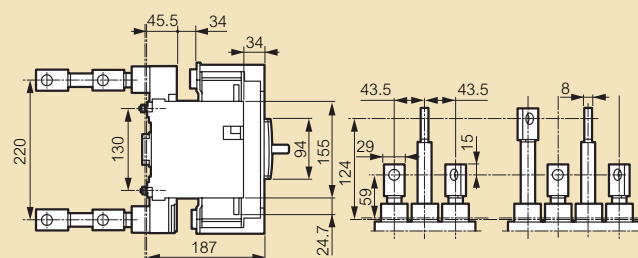


### Draw-out version, rear terminals

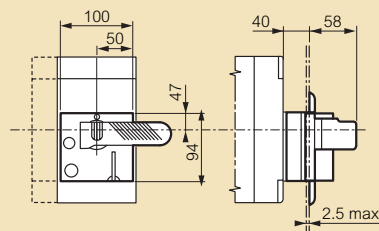
#### Rear terminal with threaded rod



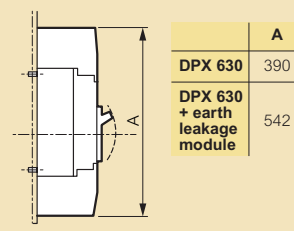
#### Flat rear terminal



### Rotary handle-direct on DPX



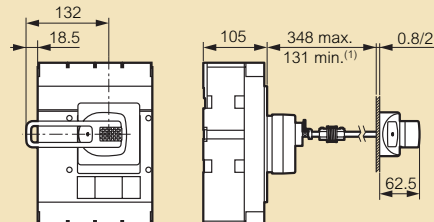
### Terminal shields



|                                | A   |
|--------------------------------|-----|
| DPX 630                        | 390 |
| DPX 630 + earth leakage module | 542 |

### Rotary handle-vari-depth handle on door

#### Mounting with flexible seal



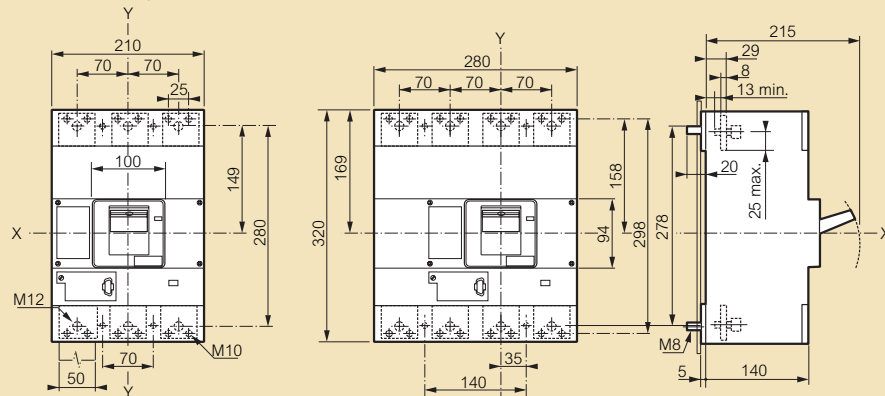
(1) 75 mm without mechanical system



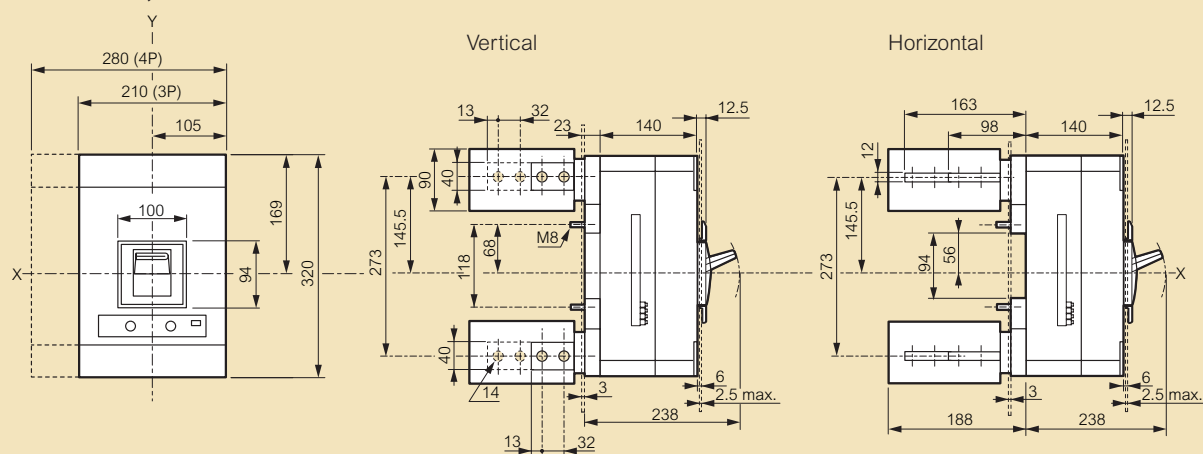
# DPX™ 1250 - DPX™ 1600

## ■ Dimensions

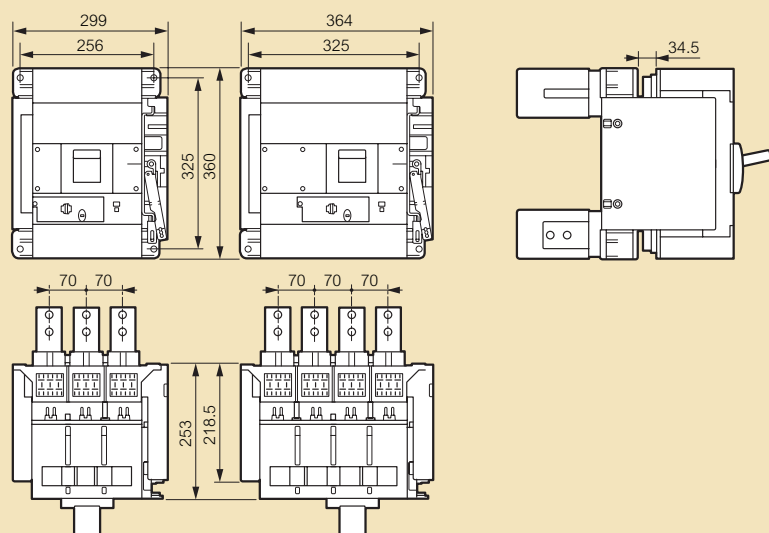
### Fixed version, front terminals



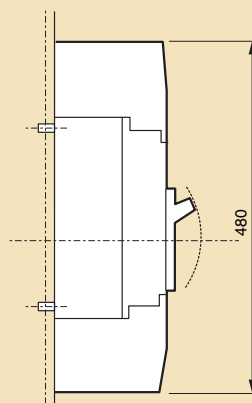
### Fixed version, rear terminals



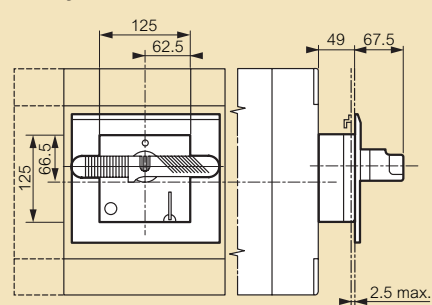
### Draw-out version, rear terminals



### Terminal shields

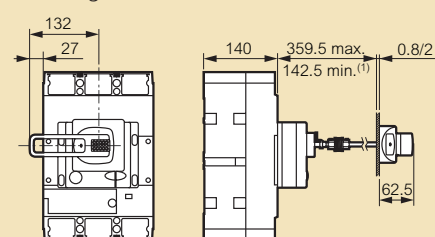


### Rotary handle-direct on DPX



### Rotary handle-vari-depth handle on door

Mounting with flexible seal



(1) 75 mm without mechanical system

DPX™ MCCBs  
electrical characteristics

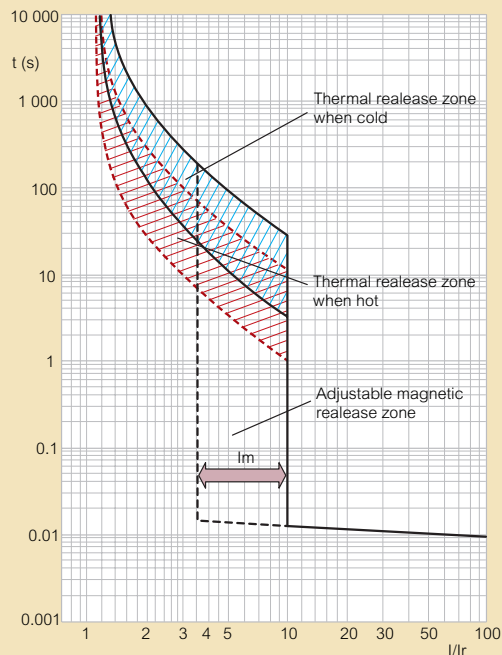
|                                                        |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|--------------------------------------------------------|-----------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------|--|----------------------|-----|-------------------------------------------------------------------------------------|-----|----------------------|------|--------------------|-------------------------------------------------------------------------------------|----------------------|------|--------------------|-------------------------------------------------------------------------------------|--------------|--|--------------|-------------------------------------------------------------------------------------|--------------|--------------|--------------------|-------------------------------------------------------------------------------------|-----------------|-------|-------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|-------------|-----------------|-------------------------------------------------------------------------------------|--------------------------------------|--------------|-------------------------------|-----------------------------|--------------------------------------|--------------|-----------------|--------------|------------------|-------------------------------|------------|-------|--|--------------|------------|-------|--|--|
|                                                        |  |  |  |  |  |  |                      |     |  |     |                      |      |                    |  |                      |      |                    |  |              |  |              |  |              |              |                    |  |                 |       |                               |  |                                      |             |                 |  |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
| DEVICES                                                |                                                                                   |  |  |  | DPX 125                                                                            |  |                      |     | DPX 160                                                                             |     |                      |      | DPX 250 ER         |                                                                                     |                      |      |                    | DPX 250                                                                             |              |  |              | DPX 250<br>Electronic trip                                                          |              |              |                    | DPX 630                                                                             |                 |       |                               | DPX 630<br>Electronic trip                                                          |                                      |             |                 | DPX 1250                                                                            |                                      |              |                               | DPX 1600<br>Electronic trip |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
| Type of MCCB                                           |                                                                                   |  |  |  | DPX-E<br>16 kA                                                                     |  | DPX<br>25 kA         |     | DPX<br>36 kA                                                                        |     | DPX<br>25 kA         |      | DPX<br>36 kA       |                                                                                     | DPX<br>50 kA         |      | DPX<br>25 kA       |                                                                                     | DPX<br>36 kA |  | DPX<br>50 kA |                                                                                     |              | DPX<br>36 kA |                    | DPX-H                                                                               |                 | DPX-L |                               | DPX<br>36 kA                                                                        |                                      | DPX-H       |                 | DPX-L                                                                               |                                      | DPX<br>36 kA |                               | DPX-H                       |                                      | DPX-L        |                 | DPX<br>50 kA |                  | DPX-H                         |            | DPX-L |  | DPX<br>50 kA |            | DPX-H |  |  |
|                                                        |                                                                                   |  |  |  | Number of poles                                                                    |  | 1P                   |     | 3P - 3P + N/2 - 4P                                                                  |     |                      |      | 3P - 3P + N/2 - 4P |                                                                                     |                      |      | 3P - 3P + N/2 - 4P |                                                                                     |              |  |              |                                                                                     |              |              | 3P - 3P + N/2 - 4P |                                                                                     |                 |       | 3P - 4P                       |                                                                                     |                                      |             | 3P - 4P         |                                                                                     |                                      |              | 3P - 3P + N/2 - 4P            |                             |                                      |              | 3P - 4P         |              |                  |                               | 3P - 4P    |       |  |              | 3P - 4P    |       |  |  |
|                                                        |                                                                                   |  |  |  | Nominal rating (A)                                                                 |  | 16 - 125             |     | 16 - 125                                                                            |     |                      |      | 63 - 160           |                                                                                     | 63 - 160             |      | 40 - 160           |                                                                                     | 100 - 250    |  |              |                                                                                     |              |              |                    |                                                                                     | 40 - 250        |       |                               |                                                                                     | 100 - 250                            |             | 40 - 250        |                                                                                     |                                      |              | 250 - 630                     |                             | 320 - 630                            |              | 200 - 630       |              | 400 - 630        |                               | 800 - 1250 |       |  |              | 800 - 1600 |       |  |  |
| Breaking capacity (kA)<br>(EN 60947-2 and IEC 60947-2) |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | 400 V~                                                                             |  | -                    | 16  | 25                                                                                  | 36  | 25                   | 36   | 50                 | 25                                                                                  | 36                   | 50   |                    |                                                                                     |              |  | 36           | 70                                                                                  | 100          | 36           | 70                 | 100                                                                                 | 36              | 70    | 100                           | 36                                                                                  | 70                                   | 100         | 50              | 70                                                                                  | 100                                  | 50           | 70                            | 100                         | 50                                   | 70           |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | 230 V~                                                                             |  | 16                   | 22  | 35                                                                                  | 40  | 40                   | 50   | 65                 | 40                                                                                  | 50                   | 65   |                    |                                                                                     |              |  | 60           | 100                                                                                 | 170          | 60           | 100                | 170                                                                                 | 60              | 100   | 170                           | 60                                                                                  | 100                                  | 170         | 60              | 100                                                                                 | 170                                  | 80           | 100                           | 170                         | 80                                   | 100          |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Breaking capacity Ics (% Icu)                                                      |  | 50                   | 100 | 50                                                                                  | 75  | 100                  | 75   | 50                 | 100                                                                                 | 75                   | 50   |                    |                                                                                     |              |  | 100          | 75                                                                                  | 50           | 100          | 75                 | 50                                                                                  | 100             | 75    | 50                            | 100                                                                                 | 75                                   | 50          | 100             | 75                                                                                  | 50                                   | 100          | 75                            | 50                          | 100                                  | 75           | 50              | 100          | 75               |                               |            |       |  |              |            |       |  |  |
| Characteristics of use                                 |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Nominal frequency                                                                  |  | 50/60 Hz             |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  | 50/60 Hz     |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Maximum rated operating voltage Ue (V)                                             |  | 230 V~               |     | 500 V~ - 250 V=                                                                     |     |                      |      | 500 V~ - 250 V=    |                                                                                     |                      |      | 500 V~ - 250 V=    |                                                                                     |              |  |              |                                                                                     |              |              | 690 V~ - 250 V=    |                                                                                     |                 |       | 690 V~                        |                                                                                     |                                      |             | 690 V~ - 250 V= |                                                                                     |                                      |              | 690 V~                        |                             |                                      |              | 690 V~ - 250 V= |              |                  |                               | 690 V~     |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Category of use                                                                    |  | A                    |     |                                                                                     |     | A                    |      |                    |                                                                                     | A                    |      |                    |                                                                                     |              |  |              |                                                                                     | A            |              |                    |                                                                                     | A               |       |                               |                                                                                     | A                                    |             |                 |                                                                                     | A:<br>In 630 A<br>B: In 200 to 400 A |              |                               |                             | A                                    |              |                 |              | B                |                               |            |       |  |              |            |       |  |  |
| Thermal-magnetic adjustment                            |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Thermal                                                                            |  | 0.7 to 1 In          |     |                                                                                     |     | 0.64 to 1 In         |      |                    |                                                                                     | 0.64 to 1 In         |      |                    |                                                                                     |              |  |              |                                                                                     | 0.64 to 1 In |              |                    |                                                                                     | -               |       |                               |                                                                                     | 0.8 to 1 In                          |             |                 |                                                                                     | -                                    |              |                               |                             | 0.8 to 1 In                          |              |                 |              | -                |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Magnetic                                                                           |  | fixed                |     |                                                                                     |     | fixed                |      |                    |                                                                                     | fixed                |      |                    |                                                                                     |              |  |              |                                                                                     | 3.5 to 10 In |              |                    |                                                                                     | -               |       |                               |                                                                                     | 5 to 10 In                           |             |                 |                                                                                     | -                                    |              |                               |                             | 5 to 10 In                           |              |                 |              | -                |                               |            |       |  |              |            |       |  |  |
| Electronic protection adjustment                       |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | S1                                                                                 |  | -                    |     |                                                                                     |     | -                    |      |                    |                                                                                     | -                    |      |                    |                                                                                     |              |  |              |                                                                                     | -            |              |                    |                                                                                     | Ir: 0.4 to 1 In |       |                               |                                                                                     | -                                    |             |                 |                                                                                     | Ir: 0.4 to 1 In                      |              |                               |                             | -                                    |              |                 |              | Ir: 0.4 to 1 In  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  |                                                                                    |  | -                    |     |                                                                                     |     | -                    |      |                    |                                                                                     | -                    |      |                    |                                                                                     |              |  |              |                                                                                     | -            |              |                    |                                                                                     | Im: 1.5 / 10 Ir |       |                               |                                                                                     | -                                    |             |                 |                                                                                     | Im: 1.5 / 10 Ir                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | S2                                                                                 |  | -                    |     |                                                                                     |     | -                    |      |                    |                                                                                     | -                    |      |                    |                                                                                     |              |  |              |                                                                                     | -            |              |                    |                                                                                     | -               |       |                               |                                                                                     | Ir: 0.4 to 1 In<br>Tr: 5 to 30 s     |             |                 |                                                                                     | -                                    |              |                               |                             | Ir: 0.4 to 1 In<br>Tr: 5 to 30 s     |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  |                                                                                    |  | -                    |     |                                                                                     |     | -                    |      |                    |                                                                                     | -                    |      |                    |                                                                                     |              |  |              |                                                                                     | -            |              |                    |                                                                                     | -               |       |                               |                                                                                     | Im: 1.5 / 10 Ir<br>Tm: 0.01 to 0.3 s |             |                 |                                                                                     | -                                    |              |                               |                             | Im: 1.5 / 10 Ir<br>Tm: 0.01 to 0.3 s |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
| Maximum cable cross-section                            |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Rigid cable                                                                        |  | 70 mm²               |     |                                                                                     |     | 95 mm²               |      |                    |                                                                                     | 185 mm²              |      |                    |                                                                                     |              |  |              |                                                                                     | 185 mm²      |              |                    |                                                                                     | 185 mm²         |       |                               |                                                                                     | 300 mm² or 2 x 240 mm²               |             |                 |                                                                                     | 300 mm² or 2 x 240 mm²               |              |                               |                             | 2 or 4 x 240 mm²                     |              |                 |              | 2 or 4 x 240 mm² |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Flexible cable                                                                     |  | 50 mm²               |     |                                                                                     |     | 70 mm²               |      |                    |                                                                                     | 150 mm²              |      |                    |                                                                                     |              |  |              |                                                                                     | 150 mm²      |              |                    |                                                                                     | 150 mm²         |       |                               |                                                                                     | 240 mm² or 2 x 185 mm²               |             |                 |                                                                                     | 240 mm² or 2 x 185 mm²               |              |                               |                             | 2 or 4 x 185 mm²                     |              |                 |              | 2 or 4 x 185 mm² |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Copper bar and lug width                                                           |  | 12 mm <sup>(1)</sup> |     |                                                                                     |     | 18 mm <sup>(1)</sup> |      |                    |                                                                                     | 22 mm <sup>(1)</sup> |      |                    |                                                                                     |              |  |              |                                                                                     | 25 mm        |              |                    |                                                                                     | 25 mm           |       |                               |                                                                                     | 32 mm                                |             |                 |                                                                                     | 32 mm                                |              |                               |                             | 50 mm                                |              |                 |              | 50 mm            |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Tightening torque                                                                  |  | 6 Nm                 |     |                                                                                     |     | 10 Nm                |      |                    |                                                                                     | 10 Nm                |      |                    |                                                                                     |              |  |              |                                                                                     | 15 Nm        |              |                    |                                                                                     | 15 Nm           |       |                               |                                                                                     | 15 Nm                                |             |                 |                                                                                     | 15 Nm                                |              |                               |                             | 20 Nm                                |              |                 |              | 20 Nm            |                               |            |       |  |              |            |       |  |  |
| Nominal current (In) at 40 °C (A)                      |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | In (A)                                                                             |  | 16                   | 25  | 40                                                                                  | 63  | 100                  | 125  | 40                 | 63                                                                                  | 100                  | 160  | 100                | 160                                                                                 | 250          |  |              |                                                                                     |              | 40           | 63                 | 100                                                                                 | 160             | 250   | 40                            | 100                                                                                 | 160                                  | 250         | 250             | 320                                                                                 | 400                                  | 500          | 630                           | 250                         | 400                                  | 630          | 800             | 1000         | 1250             | 800                           | 1250       | 1600  |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Phase                                                                              |  | 16                   | 25  | 40                                                                                  | 63  | 100                  | 125  | 40                 | 63                                                                                  | 100                  | 160  | 100                | 160                                                                                 | 250          |  |              |                                                                                     |              | 40           | 63                 | 100                                                                                 | 160             | 250   | 40                            | 100                                                                                 | 160                                  | 250         | 250             | 320                                                                                 | 400                                  | 500          | 630                           | 250                         | 400                                  | 630          | 800             | 1000         | 1250             | 800                           | 1250       | 1600  |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | N                                                                                  |  | 16                   | 25  | 40                                                                                  | 63  | 100                  | 125  | 40                 | 63                                                                                  | 100                  | 160  | 100                | 160                                                                                 | 250          |  |              |                                                                                     |              | 40           | 63                 | 100                                                                                 | 160             | 250   | 0 - 50 - 100 % of phase value |                                                                                     |                                      |             | 320             | 400                                                                                 | 500                                  | 630          | 0 - 50 - 100 % of phase value |                             |                                      |              | 800             | 1000         | 1250             | 0 - 50 - 100 % of phase value |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | N/2                                                                                |  | -                    | -   | -                                                                                   | -   | -                    | 63   | -                  | -                                                                                   | -                    | 100  | -                  | -                                                                                   | 160          |  |              |                                                                                     |              | 40           | 63                 | 63                                                                                  | 100             | 160   |                               |                                                                                     |                                      |             | 250             | 250                                                                                 | 250                                  | 320          |                               |                             |                                      |              | 500             | 500          | 630              |                               |            |       |  |              |            |       |  |  |
| Magnetic threshold (Im) (A) <sup>(2)</sup>             |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    |                                                                                     |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
| Fixed                                                  |                                                                                   |  |  |  |                                                                                    |  |                      |     |                                                                                     |     |                      |      |                    | Adjustable                                                                          |                      |      |                    |                                                                                     |              |  |              |                                                                                     |              |              |                    |                                                                                     |                 |       |                               |                                                                                     |                                      |             |                 |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | In (A)                                                                             |  | 16                   | 25  | 40                                                                                  | 63  | 100                  | 125  | 40                 | 63                                                                                  | 100                  | 160  | 100                | 160                                                                                 | 250          |  |              |                                                                                     |              | 63           | 100                | 160                                                                                 | 250             |       |                               |                                                                                     |                                      | 250         | 400             | 630                                                                                 |                                      |              |                               |                             | 800                                  | 1000         | 1250            |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | Phase                                                                              |  | 480                  | 625 | 800                                                                                 | 950 | 1250                 | 1250 | 400                | 630                                                                                 | 1000                 | 1600 | 1000               | 1600                                                                                | 2500         |  |              |                                                                                     |              | 220 - 630    | 350 - 1000         | 560 - 1600                                                                          | 900 - 2500      |       |                               |                                                                                     |                                      | 1250 - 2500 | 2000 - 4000     | 3150 - 6300                                                                         |                                      |              |                               |                             | 4000 - 8000                          | 5000 - 10000 | 6250 - 12500    |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | N                                                                                  |  | 480                  | 625 | 800                                                                                 | 950 | 1250                 | 1250 | 400                | 630                                                                                 | 1000                 | 1600 | 1000               | 1600                                                                                | 2500         |  |              |                                                                                     |              | 220 - 630    | 350 - 1000         | 560 - 1600                                                                          | 900 - 2500      |       |                               |                                                                                     |                                      | 1250 - 2500 | 2000 - 4000     | 3150 - 6300                                                                         |                                      |              |                               |                             | 4000 - 8000                          | 5000 - 10000 | 6250 - 12500    |              |                  |                               |            |       |  |              |            |       |  |  |
|                                                        |                                                                                   |  |  |  | N/2                                                                                |  |                      |     |                                                                                     |     | 950                  |      |                    |                                                                                     | 1000                 |      |                    | 1600                                                                                |              |  |              |                                                                                     | 220 - 630    | 220 - 630    | 350 - 1000         | 560 - 1600                                                                          |                 |       |                               |                                                                                     | 800 - 1600                           | 1250 - 2500 | 2000 - 4000     |                                                                                     |                                      |              |                               |                             |                                      |              |                 |              |                  |                               |            |       |  |              |            |       |  |  |

(1) Copper bar only  
(2) Trip current for 50/60 Hz. For direct current, multiply by 1.5

## DPX™

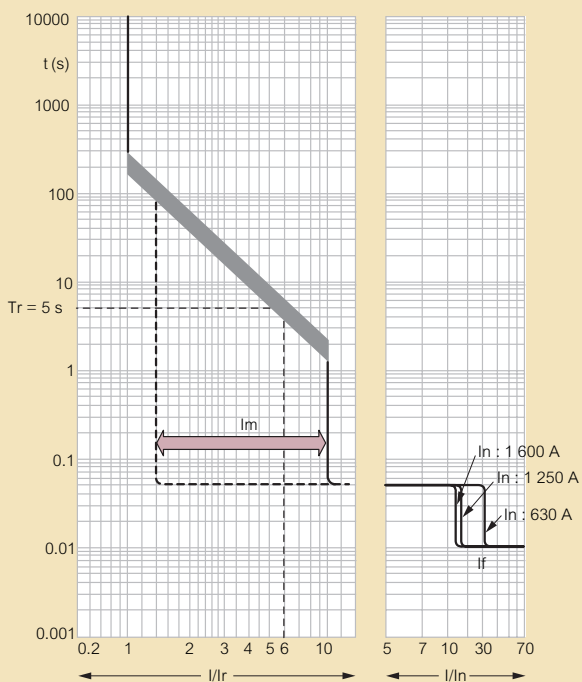
reading DPX characteristic curves and adjustment ranges

### ■ Tripping curve for a DPX thermal-magnetic trip



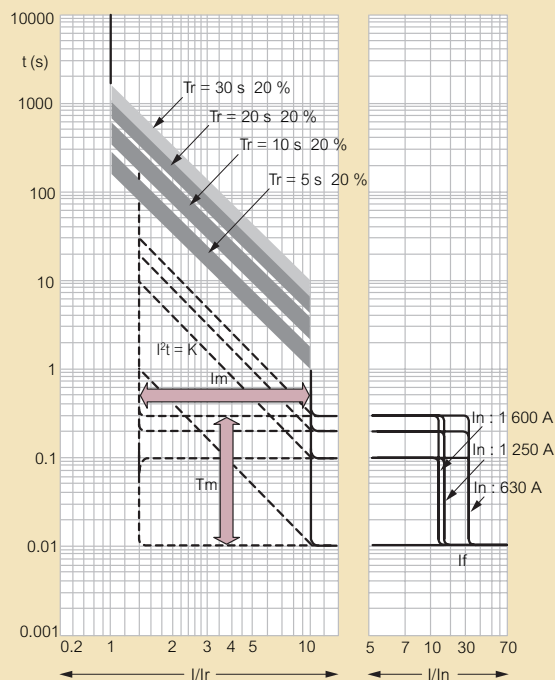
I: actual current  
I<sub>r</sub>: thermal protection against overloads (setting:  $I_r = x I_n$ )  
I<sub>m</sub>: magnetic protection against short-circuits (setting:  $I_m = x I_n$  or  $I_m = x I_r$ )  
As the abscissa of the curves represents the ratio  $I/I_r$ , modifying the setting of  $I_r$  will not change the graphical representation of the thermal trip. However, the magnetic setting can be read directly (between 3.5 and 10 in the example).

### ■ Tripping curve for a DPX electronic release S1, adjustable I<sub>r</sub> and I<sub>m</sub>



I: actual current  
I<sub>r</sub>: long delay protection against overloads (setting:  $I_r = x I_n$ )  
Tr: long delay protection operation time (fixed value: 5 s at 6 I<sub>r</sub>)  
I<sub>m</sub>: short delay protection against short-circuits (setting:  $I_m = x I_r$ , between 1.5 and 10 I<sub>r</sub> in the example)  
T<sub>m</sub>: short delay protection operation time (fixed value: 0.1 s)  
I<sub>f</sub>: fixed threshold instantaneous protection (4 to 20 kA depending on model)

### ■ Tripping curve for a DPX electronic release S2, adjustable I<sub>r</sub>, I<sub>m</sub>, Tr and T<sub>m</sub>



I: actual current  
I<sub>r</sub>: long delay protection against overloads (setting:  $I_r = x I_n$ )  
Tr: long delay protection operation time (fixed value: 5 to 30 s)  
I<sub>m</sub>: short delay protection against short-circuits (setting:  $I_m = x I_r$ , between 1.5 and 10 I<sub>r</sub> in the example)  
T<sub>m</sub>: short delay protection operation time (setting: 0 to 0.3 s)  
I<sup>2</sup>t constant (adjustable via T<sub>m</sub>)  
I<sub>f</sub>: fixed threshold instantaneous protection (4 to 20 kA depending on model)

### ■ Adjustment for thermal-magnetic DPX

| Setting                                                | DPX 125                                          | DPX 160<br>DPX 250 ER    | DPX 250                  | DPX 630                 | DPX 1 250               |
|--------------------------------------------------------|--------------------------------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| I <sub>r</sub> overload trip threshold (thermal)       | 0.7 to 1 I <sub>n</sub>                          | 0.64 to 1 I <sub>n</sub> | 0.64 to 1 I <sub>n</sub> | 0.8 to 1 I <sub>n</sub> | 0.8 to 1 I <sub>n</sub> |
| I <sub>m</sub> short-circuit trip threshold (magnetic) | fixed: 10 I <sub>n</sub><br>(100 and 125 rating) | fixed: 10 I <sub>n</sub> | 3.5 to 10 I <sub>n</sub> | 5 to 10 I <sub>n</sub>  | 5 to 10 I <sub>n</sub>  |

### ■ Adjustment for DPX electronic release

| Setting                                                   | DPX 250 / 630 / 1 600 S1                                    | DPX 630 / 1 600 S2                        |
|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------|
| I <sub>r</sub> overload trip threshold (long delay)       | $(0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 0.9 - 0.95 - 1) \times I_n$ |                                           |
| Tr long delay trip time                                   | fixed: 5 s (to 6 I <sub>r</sub> )                           | 5 - 10 - 20 - 30 s (to 6 I <sub>r</sub> ) |
| I <sub>m</sub> short-circuit trip threshold (short delay) | $(1.5 - 2 - 3 - 4 - 5 - 6 - 8 - 10) \times I_r^{(1)}$       |                                           |
| T <sub>m</sub> Short delay trip time                      | fixed: 0.05 s                                               | 0 - 0.1 - 0.2 - 0.3 s                     |

(1) 7.9 I<sub>r</sub> for DPX 630 I<sub>n</sub> 630 A

## selectivity table DPX™ / DPX™ thermal-magnetic

### ■ Limits of selectivity (three phase circuit at 400 V)

| Downstream MCCB                                   | DPX                 | Upstream MCCB                                         |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     |     |    |
|---------------------------------------------------|---------------------|-------------------------------------------------------|------------|-------------|-------------|-------------------------------------------------------|------------|----------|------------|-------------------------------------------------------------|------------|----------|------------|-----------------------------------|------------|------------|----------|-----------------------------------|------------|----------|------------|--------------------------------------|------------|--------------|-----|-----|----|
|                                                   |                     | DPX 125 (16 kA)<br>DPX 125 (25 kA)<br>DPX 125 (36 kA) |            |             |             | DPX 160 (25 kA)<br>DPX 160 (36 kA)<br>DPX 160 (50 kA) |            |          |            | DPX 250ER (25 kA)<br>DPX 250ER (36 kA)<br>DPX 250ER (50 kA) |            |          |            | DPX 250<br>DPX-H 250<br>DPX-L 250 |            |            |          | DPX 630<br>DPX-H 630<br>DPX-L 630 |            |          |            | DPX 1250<br>DPX-H 1250<br>DPX-L 1250 |            |              |     |     |    |
| DPX                                               | In (A)<br>Ist. (kA) | 40<br>0.8                                             | 63<br>0.95 | 100<br>1.25 | 125<br>1.25 | 40<br>0.4                                             | 63<br>0.63 | 100<br>1 | 160<br>1.6 | 250<br>2.5                                                  | 63<br>0.63 | 100<br>1 | 160<br>1.6 | 250<br>2.5                        | 250<br>2.5 | 320<br>3.2 | 400<br>4 | 500<br>5                          | 630<br>6.3 | 500<br>5 | 630<br>6.3 | 800<br>8                             | 1000<br>10 | 1250<br>12.5 |     |     |    |
| DPX 125 (16 kA)                                   | 16                  | 0.8                                                   | 1          | 1.2         | 1.2         |                                                       | 0.63       | 1        | 1.6        | 2.5                                                         | 0.63       | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | T          | T                                    | T          | T            |     |     |    |
|                                                   | 25                  | 0.8                                                   | 1          | 1.2         | 1.2         |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | T          | T                                    | T          | T            |     |     |    |
|                                                   | 40                  |                                                       | 1          | 1.2         | 1.2         |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | T          | T                                    | T          | T            |     |     |    |
|                                                   | 63                  |                                                       |            | 1.2         | 1.2         |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | T          | T                                    | T          | T            |     |     |    |
|                                                   | 100                 |                                                       |            |             |             |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 4          | 4          | 4        | 4                                 | 6          | 8        | 12         | T                                    | T          | T            | T   |     |    |
| DPX 125 (25 kA)                                   | 125                 |                                                       |            |             |             |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 4          | 4          | 4        | 4                                 | 6          | 8        | 12         | T                                    | T          | T            | T   |     |    |
|                                                   | 16                  | 0.8                                                   | 1          | 1.2         | 1.2         |                                                       | 0.63       | 1        | 1.6        | 2.5                                                         | 0.63       | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
|                                                   | 25                  | 0.8                                                   | 1          | 1.2         | 1.2         |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
|                                                   | 40                  |                                                       | 1          | 1.2         | 1.2         |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
|                                                   | 63                  |                                                       |            | 1.2         | 1.2         |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
| DPX 125 (36 kA)                                   | 100                 |                                                       |            |             |             |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
|                                                   | 125                 |                                                       |            |             |             |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 4          | 4          | 4        | 4                                 | 6          | 8        | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 16                  | 0.8                                                   | 1          | 1.2         | 1.2         |                                                       | 0.63       | 1        | 1.6        | 2.5                                                         | 0.63       | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
|                                                   | 25                  | 0.8                                                   | 1          | 1.2         | 1.2         |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
|                                                   | 40                  |                                                       | 1          | 1.2         | 1.2         |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
| DPX 160<br>DPX 250ER<br>(25 kA)                   | 63                  |                                                       |            | 1.2         | 1.2         |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 6          | 6          | 6        | 6                                 | 8          | 12       | 16         | 16                                   | 16         | 16           |     |     |    |
|                                                   | 100                 |                                                       |            |             |             |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 3.2        | 4          | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 160                 |                                                       |            |             |             |                                                       |            |          |            | 2.5                                                         |            |          |            | 2.5                               | 3.2        | 4          | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            | 2.5                               | 3.2        | 4          | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 25                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   | 3.2        | 4          | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
| DPX 160<br>DPX 250ER<br>(36 kA)                   | 25                  |                                                       |            |             |             | 0.4                                                   | 0.63       | 1        | 1.6        | 2.5                                                         | 0.63       | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 40                  |                                                       |            |             |             |                                                       | 0.63       | 1        | 1.6        | 2.5                                                         | 0.63       | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 63                  |                                                       |            |             |             |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 100                 |                                                       |            |             |             |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 160                 |                                                       |            |             |             |                                                       |            |          |            | 2.5                                                         |            |          |            | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
| DPX 160<br>DPX 250ER<br>(50 kA)                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 25                  |                                                       |            |             |             | 0.4                                                   | 0.63       | 1        | 1.6        | 2.5                                                         | 0.63       | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 40                  |                                                       |            |             |             |                                                       | 0.63       | 1        | 1.6        | 2.5                                                         | 0.63       | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 63                  |                                                       |            |             |             |                                                       |            | 1        | 1.6        | 2.5                                                         |            | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 100                 |                                                       |            |             |             |                                                       |            |          | 1.6        | 2.5                                                         |            |          | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
| DPX 250<br>(36 kA)                                | 160                 |                                                       |            |             |             |                                                       |            |          |            | 2.5                                                         |            |          |            | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 25                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            | 2.5        | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  |     |    |
|                                                   | 40                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            | 2.5        | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  |     |    |
|                                                   | 63                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
| DPX 250<br>(36 kA)                                | 100                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            | 1.6                               | 2.5        | 2.5        | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  |     |    |
|                                                   | 160                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   | 2.5        | 2.5        | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  |     |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  |     |    |
|                                                   | 40                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  |     |    |
|                                                   | 63                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          | 3.2                               | 4          | 4        | 5          | 6.3                                  | 16         |              | 16  | 16  | 16 |
| DPX-H/L 250<br>(70/100 kA)                        | 100                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            | 3.2      | 4                                 | 4          | 5        | 6.3        | 16                                   |            | 16           | 16  | 16  |    |
|                                                   | 160                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            | 3.2      | 4                                 | 4          | 5        | 6.3        | 16                                   |            | 16           | 16  | 16  |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          | 3.2                               | 4          | 4        | 5          | 6.3                                  | 16         |              | 16  | 16  | 16 |
|                                                   | 25                  |                                                       |            |             |             |                                                       |            |          |            |                                                             | 0.63       | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
|                                                   | 40                  |                                                       |            |             |             |                                                       |            |          |            |                                                             | 0.63       | 1        | 1.6        | 2.5                               | 2.5        | 3.2        | 4        | 4                                 | 5          | 6.3      | 12         | 16                                   | 16         | 16           | 16  |     |    |
| DPX-H/L 250<br>(70/100 kA)                        | 63                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            | 1.6                               | 2.5        | 2.5        | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  | 16  |    |
|                                                   | 100                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   | 1.6        | 2.5        | 2.5      | 3.2                               | 4          | 4        | 5          | 6.3                                  | 12         | 16           | 16  | 16  |    |
|                                                   | 160                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            | 2.5        | 2.5      | 3.2                               | 4          | 4        | 5          | 6.3                                  | 12         | 16           | 16  | 16  |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            | 3.2      | 4                                 | 4          | 5        | 6.3        | 12                                   | 16         | 16           | 16  | 16  |    |
|                                                   | 25                  |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          | 3.2                               | 4          | 4        | 5          | 6.3                                  | 16         |              | 16  | 16  | 16 |
| DPX 630<br>(36 kA)                                | 320                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          | 4                                 | 4          | 5        | 6.3        | 10                                   | 10         | 10           | 10  | 10  |    |
|                                                   | 400                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   | 5          | 6.3      | 10         | 10                                   | 10         | 6            | 7.5 |     |    |
|                                                   | 500                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            | 6.3      | 10         | 10                                   | 6          | 7.5          |     |     |    |
|                                                   | 630                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          | 6.3        | 10                                   | 10         | 6            | 7.5 |     |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      | 10         | 10           | 10  | 10  |    |
| DPX-H/L 630<br>(70/100 kA)                        | 320                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          | 4                                 | 4          | 5        | 6.3        | 10                                   | 10         | 10           | 10  | 10  |    |
|                                                   | 400                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            | 5        | 6.3        | 10                                   | 10         | 10           | 6   | 7.5 |    |
|                                                   | 500                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          | 6.3        | 10                                   | 10         | 6            | 7.5 |     |    |
|                                                   | 630                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            | 6.3                                  | 10         | 10           | 6   | 7.5 |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            | 10           | 10  | 10  | 10 |
| DPX 630 S1/S2<br>(36 kA) <sup>(1)</sup>           | 160                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            | 6.3      | 6.3        |                                      | 8          | 6            | 8   | 8   |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            | 6.3      | 6.3        |                                      | 8          | 6            | 8   | 8   |    |
|                                                   | 400                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            | 6.3      | 6.3        |                                      | 8          | 6            | 8   | 8   |    |
|                                                   | 630                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            | 6.3                                  |            | 8            | 6   | 8   |    |
| DPX-H/L 630 S1/S2<br>(70/100 kA) <sup>(1)</sup>   | 160                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            | 6.3      | 6.3        |                                      | 8          | 6            | 8   | 8   |    |
|                                                   | 250                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            | 8            | 6   | 8   |    |
|                                                   | 400                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            | 8            | 6   | 8   |    |
|                                                   | 630                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            | 8            | 6   | 8   |    |
| DPX 1250<br>(50 kA)                               | 500                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      | 5          | 8            | 7.5 | 7.5 |    |
|                                                   | 630                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            | 8            | 7.5 | 7.5 |    |
|                                                   | 800                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              | 7.5 | 7.5 |    |
|                                                   | 1000                |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     | 7.5 |    |
| DPX-H/L 1250<br>(70/100 kA)                       | 1250                |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     | 7.5 |    |
|                                                   | 500                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            | 5                                    | 8          | 7.5          | 7.5 |     |    |
|                                                   | 630                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            | 8            | 7.5 | 7.5 |    |
|                                                   | 800                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              | 7.5 | 7.5 |    |
| DPX/DPX-H 1600 S1<br>(50/70 kA) <sup>(1)</sup>    | 1000                |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     |     |    |
|                                                   | 1250                |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     |     |    |
| DPX/DPX-H 1600 S2<br>(50/70 kA) <sup>(1)</sup>    | 630                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     |     |    |
|                                                   | 800                 |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     |     |    |
| DPX/DPX-H 1600 S1/S2<br>(50/70 kA) <sup>(1)</sup> | 1250                |                                                       |            |             |             |                                                       |            |          |            |                                                             |            |          |            |                                   |            |            |          |                                   |            |          |            |                                      |            |              |     |     |    |

(1) Selectivity low

■ Limits of selectivity high (three phase circuit at 400 V)

■ Limits of selectivity high (three phase circuit at 400 V)

| Downstream MCCB                                   | DPX                 | Upstream MCCB electronic   SEL: HIGH                      |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|---------------------------------------------------|---------------------|-----------------------------------------------------------|-----|-----|-----|-----|-----------------------------------------------------------------------------|-----|-----|-----|---------------------------------|-----|---------------------------------|------------------|------------------------------------|------------------|
|                                                   |                     | DPX 250 (36 kA)<br>DPX-H 250 (70 kA)<br>DPX-L 250 (70 kA) |     |     |     |     | DPX 630 S1/S2 (36 kA)<br>DPX-H 630 S1/S2 (70 kA)<br>DPX-H 630 S1/S2 (70 kA) |     |     |     | DPX/DPX-H 1600<br>S1 (50/70 kA) |     | DPX/DPX-H 1600<br>S2 (50/70 kA) |                  | DPX/DPX-H 1600<br>S1,S2 (50/70 kA) |                  |
|                                                   | In (A)<br>Ist. (kA) | 40                                                        | 63  | 100 | 160 | 250 | 160                                                                         | 250 | 400 | 630 | 630                             | 800 | 630                             | 800              | 1250                               | 1600             |
| DPX                                               |                     | 3.5                                                       | 3.5 | 3.5 | 3.5 | 3.5 | 5                                                                           | 5   | 5   | 5   | 10                              | 10  | 10                              | 10               | 15                                 | 20               |
| DPX 125 (16 kA)                                   | 16                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 25                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 40                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 63                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 100                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
| DPX 125 (25 kA)                                   | 125                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 16                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 25                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 40                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 63                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
| DPX 125 (36 kA)                                   | 100                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 125                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 16                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 25                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 40                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
| DPX 160<br>DPX 250ER<br>(25 kA)                   | 63                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 100                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 160                 |                                                           |     |     |     |     |                                                                             | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 25                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
| DPX 160<br>DPX 250ER<br>(36 kA)                   | 40                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 63                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 100                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 160                 |                                                           |     |     |     |     |                                                                             | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
| DPX 160<br>DPX 250ER<br>(50 kA)                   | 25                  |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 40                  |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 63                  |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 100                 |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 160                 |                                                           |     |     |     |     |                                                                             | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
| DPX 250<br>(36kA)                                 | 250                 |                                                           |     |     |     |     |                                                                             |     | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 25                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 40                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 63                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 100                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
| DPX 250<br>(36 kA)                                | 160                 |                                                           |     |     |     |     |                                                                             | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 25                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 63                  |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 100                 |                                                           |     |     |     |     | T                                                                           | T   | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
| DPX-H/L 250<br>(70/100 kA)                        | 160                 |                                                           |     |     |     |     |                                                                             |     | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     | T   | T   | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 25                  |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 40                  |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 63                  |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
| DPX-H/L 250<br>(70/100 kA)                        | 100                 |                                                           |     |     |     |     | 36                                                                          | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 160                 |                                                           |     |     |     |     |                                                                             | 36  | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 25                  |                                                           |     |     |     |     |                                                                             |     | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 40                  |                                                           |     |     |     |     |                                                                             |     | 36  | 36  | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
| DPX 630<br>(36 kA)                                | 63                  |                                                           |     |     |     |     |                                                                             |     |     |     | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     |     |     | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 320                 |                                                           |     |     |     |     |                                                                             |     |     |     | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 400                 |                                                           |     |     |     |     |                                                                             |     |     |     | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 500                 |                                                           |     |     |     |     |                                                                             |     |     |     | T                               | T   | T                               | T                | T                                  | T                |
| DPX-H/L 630<br>(70/100 kA)                        | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     | T                               | T   | T                               | T                | T                                  | T                |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     |     |     | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 320                 |                                                           |     |     |     |     |                                                                             |     |     |     | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 400                 |                                                           |     |     |     |     |                                                                             |     |     |     | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
|                                                   | 500                 |                                                           |     |     |     |     |                                                                             |     |     |     | 36                              | 36  | 36                              | 36               | 36                                 | 36               |
| DPX 630 S1/S2<br>(36 kA) <sup>(2)</sup>           | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 | 36  |                                 |                  |                                    |                  |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 | T   | T                               | T <sup>(1)</sup> | T <sup>(1)</sup>                   | T <sup>(1)</sup> |
|                                                   | 400                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 | T   | T                               | T <sup>(1)</sup> | T <sup>(1)</sup>                   | T <sup>(1)</sup> |
|                                                   | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 | T   | T                               | T <sup>(1)</sup> | T <sup>(1)</sup>                   | T <sup>(1)</sup> |
|                                                   | 160                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
| DPX-H/L 630 S1/S2<br>(70/100 kA) <sup>(2)</sup>   | 250                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 400                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 160                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 250                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
| DPX 1250<br>(50 kA)                               | 400                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 800                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 1000                |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 1250                |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
| DPX-H/L 1250<br>(70/100 kA)                       | 500                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 800                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 1000                |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 1250                |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
| DPX/DPX-H 1600 S1<br>(50/70 kA) <sup>(2)</sup>    | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 800                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
| DPX/DPX-H 1600 S2<br>(50/70 kA) <sup>(2)</sup>    | 630                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 800                 |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
| DPX/DPX-H 1600 S1/S2<br>(50/70 kA) <sup>(2)</sup> | 1250                |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |
|                                                   | 1600                |                                                           |     |     |     |     |                                                                             |     |     |     |                                 |     |                                 |                  |                                    |                  |

- (1) Possibility of logic selectivity (total selectivity)
- (2) Selectivity low

selection tables

MCCBs/MCBs

| MCBs downstream                                                                 |                                | MCBs upstream |       |       |       |         |       |       |            |       |       |       |             |       |       |       |       |                   |       |       |             |       |       |       |              |        |        |       |       |                  |        |   |   |
|---------------------------------------------------------------------------------|--------------------------------|---------------|-------|-------|-------|---------|-------|-------|------------|-------|-------|-------|-------------|-------|-------|-------|-------|-------------------|-------|-------|-------------|-------|-------|-------|--------------|--------|--------|-------|-------|------------------|--------|---|---|
|                                                                                 |                                | DPX           |       |       |       |         |       |       |            |       |       |       |             |       |       |       |       | DPX               |       |       |             |       |       |       |              |        |        |       |       |                  |        |   |   |
|                                                                                 |                                | DPX 125       |       |       |       | DPX 160 |       |       | DPX 250 ER |       |       |       | DPX/H/L 250 |       |       |       |       | DPX/H/L 630 elec. |       |       | DPX/H/L 630 |       |       |       | DPX/H/L 1250 |        |        |       |       | DPX/H 1600 elec. |        |   |   |
| 40 A                                                                            | 63 A                           | 100 A         | 125 A | 63 A  | 100 A | 160 A   | 63 A  | 100 A | 160 A      | 250 A | 63 A  | 100 A | 160 A       | 250 A |       | 250 A | 320 A | 400A              | 160 A | 250 A | 400 A       | 630 A | 500 A | 630 A | 800 A        | 1000 A | 1250 A | 630 A | 800 A | 1250 A           | 1600 A |   |   |
| LR[6000]<br>DX[6000]- 6 kA<br>DX[6000]- 10 kA<br>DX-H [10000]- 25 kA<br>C curve | 1 to 4 A                       | T             | T     | T     | T     | T       | T     | T     | T          | T     | T     | T     | T           | T     | T     |       | T     | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 6 A                            | 6000          | 6000  | T     | T     | T       | T     | T     | T          | T     | T     | T     | 6000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 10 A                           | 5 000         | 5000  | 7500  | 7500  | 5000    | T     | T     | 5000       | T     | T     | T     | 5000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 13 A                           | 4 000         | 4000  | 6000  | 6000  | 5 000   | T     | T     | 5000       | T     | T     | T     | 4 000       | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 16 A                           | 4000          | 4000  | 6000  | 6000  | 4000    | T     | T     | 4000       | T     | T     | T     | 4000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 20 A                           | 3000          | 3000  | 5000  | 5000  | 4000    | 8000  | T     | 4000       | 8000  | T     | T     | 4000        | 8000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 25 A                           | 3000          | 3000  | 4500  | 4500  | 3000    | 6000  | 8500  | 3000       | 6000  | 8500  | T     | 3000        | 6000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 32 A                           |               | 2000  | 4000  | 4000  | 2000    | 5000  | 7000  | 2000       | 5000  | 7000  | T     | 2000        | 5000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 40 A                           |               | 2000  | 3000  | 3000  | 2000    | 4000  | 6000  | 2000       | 4000  | 6000  | T     | 2000        | 5000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 50 A                           |               |       | 3000  | 3000  |         | 4000  | 5500  |            | 4000  | 5500  | 7000  |             | 4000  | 8000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 63 A                           |               |       | 3000  | 3000  |         | 3000  | 5000  |            | 3000  | 5000  | 6000  |             | 4000  | 8000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 80 A                           |               |       |       | 2000  |         | 2500  | 5000  |            | 2500  | 5000  | 6000  |             |       | 8000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 100 A                          |               |       |       |       |         |       | 4000  |            |       | 4000  | 5000  |             |       | 7500  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 125 A                          |               |       |       |       |         |       | 2000  |            |       | 2000  | 3000  |             |       | 3000  | 8000  |       | 8000              | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
| DX[6000]<br>D curve                                                             | 1 to 4 A                       | T             | T     | T     | T     | T       | T     | T     | T          | T     | T     | T     | T           | T     | T     |       | T     | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 6 A                            | 6000          | 6000  | T     | T     | 4000    | T     | T     | 4000       | T     | T     | T     | 6000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 10 A                           | 5000          | 5000  | 7500  | 7500  | 4000    | T     | T     | 4000       | T     | T     | T     | 5000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 13 A                           | 4000          | 4000  | 6000  | 6000  | 4000    | T     | T     | 4000       | T     | T     | T     | 4000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 16 A                           | 4000          | 4000  | 6000  | 6000  | 3500    | 6000  | T     | 3500       | 6000  | T     | T     | 4000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 20 A                           | 3000          | 3000  | 5000  | 5000  | 3500    | 6000  | T     | 3500       | 6000  | T     | T     | 4000        | 8000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 25 A                           | 3000          | 3000  | 4500  | 4500  | 2500    | 5500  | 8500  | 2500       | 5500  | 8500  | T     | 3000        | 6000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 32 A                           |               | 2000  | 4000  | 4000  | 2500    | 5000  | 7000  | 2500       | 5000  | 7000  | T     | 2000        | 5000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 40 A                           |               | 2000  | 3000  | 3000  | 2000    | 4500  | 6000  | 2000       | 4500  | 6000  | T     | 2000        | 5000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 50 A                           |               |       | 3000  | 3000  |         | 3500  | 5000  |            | 3500  | 5500  | T     |             | 4000  | 8000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 63 A                           |               |       | 3000  | 3000  |         | 3500  | 5000  |            | 3500  | 5000  | 6000  |             | 4000  | 8000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 80 A                           |               |       |       | 1500  |         |       | 4000  |            |       | 4000  | 5000  |             |       | 7000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 100 A                          |               |       |       |       |         |       | 3000  |            |       | 3000  | 4000  |             |       | 6500  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 125 A                          |               |       |       |       |         |       | 1500  |            |       | 1500  | 2000  |             |       | 2000  | 7000  |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
| LR[6000]<br>DX[6000]- 6 kA<br>DX[6000]- 10 kA<br>DX-H [10000]- 25 kA<br>B curve | 1 to 4 A                       | T             | T     | T     | T     | T       | T     | T     | T          | T     | T     | T     | T           | T     | T     |       | T     | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 6 A                            | 6000          | 6000  | 10000 | 10000 | T       | T     | T     | T          | T     | T     | T     | 6000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 10 A                           | 5000          | 5000  | 7500  | 7500  | 7000    | T     | T     | 7000       | T     | T     | T     | 5000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 13 A                           | 4000          | 4000  | 6000  | 6000  | 7000    | T     | T     | 7000       | T     | T     | T     | 4000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 16 A                           | 4000          | 4000  | 6000  | 6000  | 5500    | 9500  | T     | 5500       | 9500  | T     | T     | 4000        | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 20 A                           | 3000          | 3000  | 5000  | 5000  | 5500    | 8500  | 10000 | 5500       | 8500  | 10000 | T     | 3000        | 8000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 25 A                           | 3000          | 3000  | 4500  | 4500  | 4500    | 7000  | 8500  | 4500       | 7000  | 8500  | T     | 3000        | 6000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 32 A                           |               | 2000  | 4000  | 4000  | 4500    | 5500  | 7000  | 4500       | 5500  | 7000  | T     | 2000        | 5000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 40 A                           |               | 2000  | 3000  | 3000  |         | 5500  | 6000  |            | 5500  | 6000  | T     | 2000        | 5000  | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 50 A                           |               |       | 3000  | 3000  |         | 4500  | 5500  |            | 4500  | 5500  | 10000 |             | 4000  | 8000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | 63 A                           |               |       | 3000  | 3000  |         | 4500  | 5000  |            | 4500  | 5000  | 8000  |             | 4000  | 8000  | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
|                                                                                 | DX-L [25000]- 50 kA<br>C curve | 10 A          | 30000 | 30000 | T     | T       | T     | T     | T          | T     | T     | T     | T           | T     | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T | T |
|                                                                                 |                                | 16 A          | 20000 | 20000 | 35000 | 35000   | 20000 | T     | T          | 20000 | T     | T     | T           |       | 40000 | T     | T     |                   | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T | T |
|                                                                                 |                                | 20 A          | 15000 | 15000 | 25000 | 25000   | 15000 | 22000 | T          | 15000 | 22000 | T     | T           |       | 33000 | T     | T     |                   | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T | T |
| 25 A                                                                            |                                | 12000         | 12000 | 20000 | 20000 | 12000   | 18000 | T     | 12000      | 18000 | T     | T     |             | 28000 | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
| 32 A                                                                            |                                |               | 9000  | 15000 | 15000 | 9000    | 13000 | T     | 9000       | 13000 | T     | T     |             | 20000 | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
| 40 A                                                                            |                                |               | 6000  | 10000 | 10000 | 6000    | 8000  | 20000 | 6000       | 8000  | 20000 | 25000 |             | 13000 | T     | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
| 50 A                                                                            |                                |               |       | 5000  | 5000  |         | 4000  | 10000 |            | 4000  | 10000 | 20000 |             | 8000  | 20000 | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |
| 63 A                                                                            |                                |               |       | 5000  | 5000  |         | 4000  | 10000 |            | 4000  | 10000 | 15000 |             | 8000  | 20000 | T     |       | T                 | T     | T     | T           | T     | T     | T     | T            | T      | T      | T     | T     | T                | T      | T |   |

T: total selection, up to downstream circuit breaker breaking capacity according to IEC 60947-2

Upstream fuse

| MCCBs downstream | gG type |       |        |
|------------------|---------|-------|--------|
|                  | 250 A   | 400 A | 1000 A |
| DPX 125          | 7 500   |       |        |
| DPX 160          |         | 10000 |        |
| DPX 250 ER       |         | 10000 |        |
| DPX 250          |         | 10000 |        |
| DPX 630          |         |       | 50 000 |



back up between MCCBs and MCBs (in kA)

■ In 3 phases networks + N 400/415 V according to IEC 60947-2

|                                                                                                    |            | MCBs/MCCBs upstream                                |             |            |            |              |             |                   |            |       |       |       |    |             |       |                |                           |       |                 |                  |
|----------------------------------------------------------------------------------------------------|------------|----------------------------------------------------|-------------|------------|------------|--------------|-------------|-------------------|------------|-------|-------|-------|----|-------------|-------|----------------|---------------------------|-------|-----------------|------------------|
|                                                                                                    |            | DX-H <span>10 000</span> - 25 kA<br>B and C curves |             | DX-L       |            | DPX-E<br>125 | DPX 125     | DPX/<br>DPX-H 160 | DPX 250 ER |       |       |       |    | DPX/H/L 250 |       | DPX/H/L<br>630 | DPX/H/L 630<br>electronic |       | DPX/H/L<br>1250 | DPX/H/L<br>1 600 |
| MCBs downstream                                                                                    |            | 2 to 32 A                                          | 40 to 125 A | 10 to 32 A | 40 to 63 A | 16 to 125 A  | 16 to 125 A | 25 to 160 A       | 63 A       | 100 A | 160 A | 250 A |    | 160 A       | 250 A | 250 to 400 A   | 160 & 400 A               | 630 A | 500 to 1250 A   | 800 to 1600 A    |
| DX <span>6 000</span> - 10 kA<br>B and C curves                                                    | 1 to 20 A  | 25                                                 | 12.5        | 50         | 25         | 16           | 25          | 25                | 25         | 25    | 25    | 25    |    | 25          | 25    | 25             | 25                        | 25    | 25              | 25               |
|                                                                                                    | 25 A       | 25                                                 | 12.5        | 50         | 25         | 16           | 25          | 25                | 25         | 25    | 25    | 25    |    | 25          | 25    | 25             | 25                        | 25    | 20              | 20               |
|                                                                                                    | 32 A       |                                                    | 12.5        |            | 25         | 16           | 25          | 25                | 25         | 25    | 25    | 25    |    | 25          | 25    | 25             | 25                        | 25    | 15              | 15               |
|                                                                                                    | 40 A       |                                                    | 12.5        |            | 25         | 16           | 25          | 25                | 25         | 25    | 25    | 25    |    | 25          | 20    | 20             | 20                        | 20    | 15              | 15               |
|                                                                                                    | 50 A       |                                                    |             |            | 25         | 16           | 25          | 20                | 25         | 25    | 20    | 20    |    | 20          | 15    | 15             | 15                        | 15    | 12.5            | 12.5             |
|                                                                                                    | 63 A       |                                                    |             |            |            | 16           | 25          | 15                |            | 20    | 15    | 15    |    | 15          | 15    | 15             | 15                        | 15    | 12.5            | 12.5             |
|                                                                                                    | 80 A       |                                                    |             |            |            |              | 20          | 25                |            |       | 20    | 20    |    | 20          | 20    | 20             | 20                        | 15    |                 |                  |
|                                                                                                    | 100 A      |                                                    |             |            |            |              | 20          | 25                |            |       | 20    | 20    |    | 20          | 20    | 20             | 20                        | 15    |                 |                  |
| DX-H <span>10 000</span> - 25 kA<br>B and C curves<br><br>DX <span>6 000</span> - 15 kA<br>D curve | 125 A      |                                                    |             |            |            |              |             | 25                |            |       | 15    | 15    |    | 15          | 15    | 15             | 15                        | 10    |                 |                  |
|                                                                                                    | 1 to 16 A  |                                                    |             | 50         | 25         | 16           | 25          | 25                | 25         | 25    | 25    | 25    |    | 25          | 25    | 25             | 25                        | 25    | 25              | 25               |
|                                                                                                    | 20 A       |                                                    |             | 50         | 25         | 16           | 25          | 20                | 25         | 25    | 25    | 25    |    | 25          | 25    | 25             | 25                        | 25    | 25              | 25               |
|                                                                                                    | 25 A       |                                                    |             |            | 25         | 16           | 25          | 15                | 25         | 25    | 25    | 25    |    | 25          | 25    | 25             | 25                        | 25    | 20              | 20               |
|                                                                                                    | 32 A       |                                                    |             |            | 25         | 16           | 25          | 20                | 25         | 25    | 25    | 25    |    | 25          | 25    | 25             | 25                        | 25    | 15              | 15               |
|                                                                                                    | 40 A       |                                                    |             |            | 25         | 16           | 25          | 20                | 25         | 25    | 25    | 25    |    | 25          | 20    | 20             | 20                        | 20    | 15              | 15               |
|                                                                                                    | 50 A       |                                                    |             |            | 25         | 16           | 25          | 15                | 25         | 25    | 20    | 20    |    | 20          | 15    | 15             | 15                        | 15    | 12.5            | 12.5             |
| 63 A                                                                                               |            |                                                    |             |            | 16         | 25           | 25          | 25                | 20         | 15    | 15    |       | 15 | 15          | 15    | 15             | 15                        | 12.5  | 12.5            |                  |
| DX-L - 50 kA<br>C curve                                                                            | 10 to 63 A |                                                    |             | 50         | 50         |              |             | 50                | 50         | 50    | 50    | 50    |    | 50          | 50    | 50             | 50                        | 50    | 50              | 50               |

■ In 3 phases networks + N 230/240 V according to IEC 60947-2

|                                                                              |            | MCBs/MCCBs upstream                     |             |            |            |              |             |                   |            |       |       |       |  |             |       |              |                           |       |                 |                  |
|------------------------------------------------------------------------------|------------|-----------------------------------------|-------------|------------|------------|--------------|-------------|-------------------|------------|-------|-------|-------|--|-------------|-------|--------------|---------------------------|-------|-----------------|------------------|
|                                                                              |            | DX-H [10 000] - 25 kA<br>B and C curves |             | DX-L       |            | DPX-E<br>125 | DPX<br>125  | DPX/<br>DPX-H 160 | DPX 250 ER |       |       |       |  | DPX/H/L 250 |       |              | DPX/H/L 630<br>electronic |       | DPX/H/L<br>1250 | DPX/H/L<br>1 600 |
| MCBs downstream                                                              |            | 2 to 32 A                               | 40 to 125 A | 10 to 32 A | 40 to 63 A | 16 to 125 A  | 16 to 125 A | 25 to 160 A       | 63 A       | 100 A | 160 A | 250 A |  | 160 A       | 250 A | 250 to 400 A | 160 & 400 A               | 630 A | 500 to 1250 A   | 800 to 1600 A    |
| DX [6 000] - 10 kA<br>B and C curves                                         | 1 to 20 A  | 50                                      | 25          | 50         | 25         | 22           | 35          | 35                | 50         | 50    | 50    | 50    |  | 50          | 50    | 50           | 50                        | 50    | 50              | 50               |
|                                                                              | 32 & 40 A  |                                         | 25          |            | 25         | 22           | 35          | 35                | 50         | 50    | 50    | 50    |  | 50          | 50    | 50           | 50                        | 50    | 50              | 50               |
|                                                                              | 50 A       |                                         |             |            | 25         | 16           | 25          | 25                | 36         | 36    | 36    | 36    |  | 36          | 30    | 30           | 30                        | 25    | 25              | 25               |
|                                                                              | 63 A       |                                         |             |            |            | 16           | 25          | 15                |            | 30    | 30    | 30    |  | 30          | 30    | 30           | 30                        | 25    | 25              | 25               |
|                                                                              | 80 A       |                                         |             |            |            | 16           | 25          | 25                |            | 25    | 25    | 25    |  | 25          | 25    | 25           | 25                        | 20    |                 |                  |
|                                                                              | 100 A      |                                         |             |            |            | 16           | 25          | 25                |            |       | 25    | 25    |  | 25          | 25    | 25           | 25                        | 20    |                 |                  |
| DX-H [10 000] - 25 kA<br>B and C curves<br><br>DX [6 000] - 15 kA<br>D curve | 1 to 40 A  |                                         |             | 50         | 25         | 22           | 35          | 35                | 50         | 50    | 50    | 50    |  | 50          | 50    | 50           | 50                        | 50    | 50              | 50               |
|                                                                              | 50 A       |                                         |             |            | 25         | 16           | 25          | 25                | 36         | 36    | 36    | 36    |  | 36          | 30    | 30           | 30                        | 25    | 25              | 25               |
|                                                                              | 63 A       |                                         |             |            |            | 16           | 25          | 25                |            | 30    | 30    | 30    |  | 30          | 30    | 30           | 30                        | 25    | 25              | 25               |
| DX-L - 50 kA<br>C curve                                                      | 10 to 63 A |                                         |             | 70         | 70         |              |             | 70                | 70         | 70    | 70    | 70    |  | 70          | 70    | 70           | 70                        |       | 70              | 70               |

TT or TN neutral earthing systems:  
For a 230/400 V supply in order to determine the breaking capacity of a 2 P MCB used as L + N (230 V) downstream a 2 P or 4 P circuit breaker use values indicated in the table for 230/240 V

■ In 3 phases networks (+ N) 400/415 V according to IEC 60947-2

| MCBs downstream                                    |               | Fuses upstream<br>gG type |             |
|----------------------------------------------------|---------------|---------------------------|-------------|
|                                                    |               | 20 to 32 A                | 63 to 160 A |
| DX <span>6 000</span> - 10 kA<br>C and D curves    | 1 A to 40 A   | 100                       | 100         |
|                                                    | 50 A to 125 A |                           | 100         |
| DX-H <span>10 000</span> - 25 kA<br>B and C curves | 2 A to 40 A   | 100                       | 100         |
|                                                    | 50 A to 63 A  |                           | 100         |
| DX-L - 50 kA<br>C curve                            | 10 A to 40 A  | 100                       | 100         |
|                                                    | 50 A to 63 A  |                           | 100         |

■ In 3 phases networks (+ N) 230/240 V according to IEC 60947-2

| MCBs downstream                                    |               | Fuses upstream<br>gG type |             |
|----------------------------------------------------|---------------|---------------------------|-------------|
|                                                    |               | 20 to 50 A                | 63 to 160 A |
| DX <span>6 000</span> - 10 kA<br>C and D curves    | 1 A to 40 A   | 100                       | 100         |
|                                                    | 50 A to 125 A |                           | 100         |
| DX-H <span>10 000</span> - 25 kA<br>B and C curves | 2 A to 40 A   | 100                       | 100         |
|                                                    | 50 A to 63 A  |                           | 100         |
| DX-L - 50 kA<br>C curve                            | 10 A to 40 A  | 100                       | 100         |
|                                                    | 50 A to 63 A  |                           | 100         |