Distribution

Enables supply of a number of physically separate and individually protected circuits, from a single circuit up to 4 000 A
When optimised, it enables a large flexibility of use

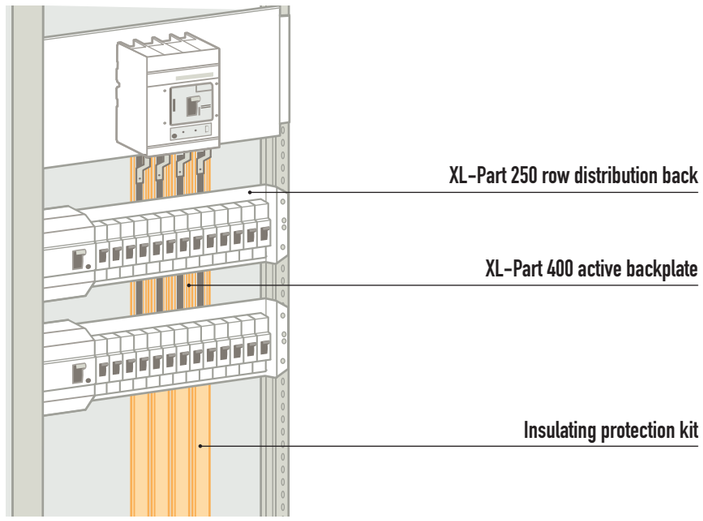
Distribution systems

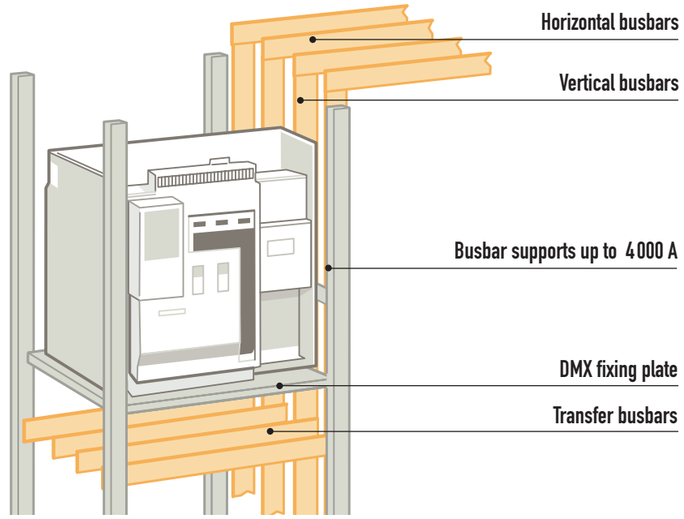
XL-PART OPTIMISED DISTRIBUTION UP TO 1 600 A

- **Based on mounting/wiring* logic, it provides packaged versions that ensure high quality manufacture and speed of installation:**

- **XL-Part 100, 125, 250, 400 row distribution block**
- **XL-Part 400 active backplate**
- **XL-Part 800 and 1 600 column-chassis.**

*** All XL-Part solutions allow direct connection between the busbar and the input or output terminal on the devices.**



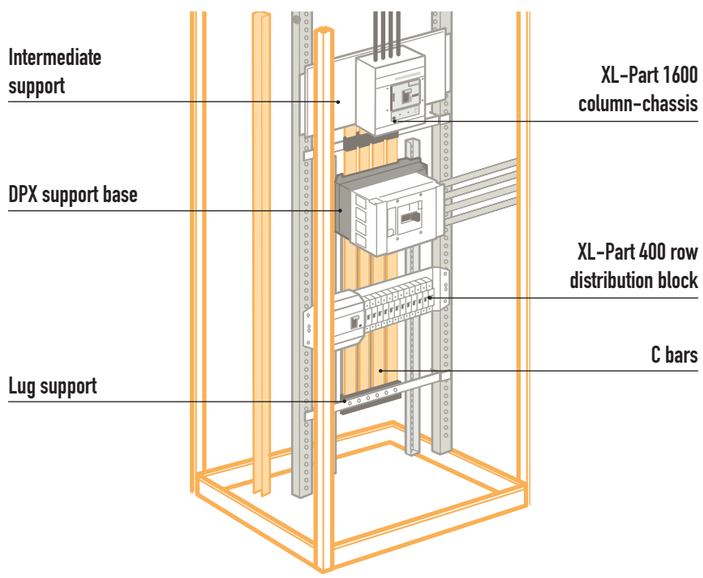


STANDARD DISTRIBUTION UP TO 4 000 A

- **It offers these possibilities:**
- **Busbar supports and copper bars up to 4000 A**
- **Distribution blocks up to 400 A**
- **Supply busbar (single and three-phase up to 63 A).**

LEGRAND ADVANTAGES

1. Freedom to choose (optimised or standard)
2. The high performance of optimised solutions:
   - Space saving
   - Speed
   - Maintenance
3. The numerous possibilities of standard solutions



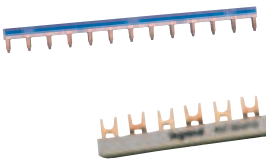
See the on-line catalogue: instructions, technical data sheets, etc.

Come and be trained at Innoval see p. 409

supply busbars and distribution blocks

SUPPLY BUSBARS FROM 63 TO 90 A

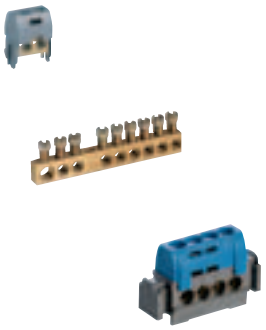
• Isc peak 17 kÂ



Length	Universal 1-pole + neutral or 1-pole	2-pole	2-pole balanced on 3-phase	3-pole	4-pole
Prong-type					
1 row	049 26	049 38	049 40	049 42	049 44
meter	049 37	049 39	049 41	049 43	049 45
Fork-type					
1 row	049 11	-		049 17	-
meter	049 12	049 14		049 18	049 20

DISTRIBUTION TERMINAL BLOCKS FROM 63 TO 100 A

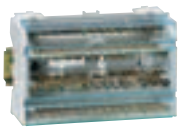
• Isc peak 17 kÂ



Number of outputs	Bare terminal blocks with screws	Bare terminal blocks on support	Insulated terminal blocks IP 2X (XXB) black	blue	green
1					
2					
4	048 01	048 20	048 50	048 40	048 30
6			048 16	048 15	
8	048 03	048 22	048 52	048 42	048 32
12		048 24	048 54	048 44	048 34
14	048 05				
16		048 25		048 45	048 35
19	048 06				
21		048 26		048 46	048 36
24	048 07				
33		048 28		048 48	048 38

MODULAR DISTRIBUTION BLOCKS FROM 40 TO 250 A

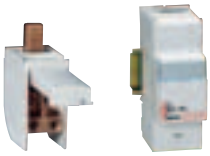
• Isc peak 14.5 to 42 kÂ



Admissible maximum rating (A)	2-pole Cat.Nos	2-pole Number and section of flexible conductors (mm²) Inputs	2-pole Outputs	4-pole Cat.Nos	4-pole Number and section of flexible conductors (mm²) Inputs	4-pole Outputs	Terminal blocks IP 2X Earth	Neutral	Additional outputs (mm²)
40	048 81	2 x 10	11 x 4	048 85	2 x 10	11 x 4	048 34	048 44	12 x 6
100	048 80	2 x 16	5 x 10	048 84	2 x 16	5 x 10	048 32	048 42	7 x 6
125	048 82	2 x 25	2 x 16 + 11 x 10	048 86	2 x 25	2 x 16 + 7 x 6		048 44	16 x 6
				048 88	2 x 25	2 x 25 + 11 x 10	048 35	048 45	12 x 6
160				048 79	1 x 70	2 x 25 + 4 x 16 + 8 x 10		048 45	16 x 6
250				048 77	1 x 120	1 x 35 + 2 x 25 + 2 x 16 + 6 x 10			

SINGLE POLE MODULAR DISTRIBUTION BLOCKS AND DISTRIBUTION TERMINALS FROM 125 TO 250 A

• Isc peak 27 to 60 kÂ



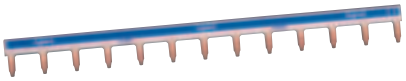
Admissible maximum rating (A)	Cat.Nos	Number and section of conductors per pole (mm²) Inputs	Outputs
125	048 71	4 x 35	12 x 10
160	048 83	1 x 50 (flexible bar 13 mm max.)	3 x 25 + 2 x 16 + 7 x 10
	048 67 (distribution terminal)	Direct into the downstream terminal	6 x 25
250	048 73	1 x 120 (flexible bar 16 mm max.)	6 x 25 + 4 x 10
	048 68 (distribution terminal)	Direct into the downstream terminal	4 x 35 + 2 x 25

POWER DISTRIBUTION BLOCKS FROM 125 TO 400 A

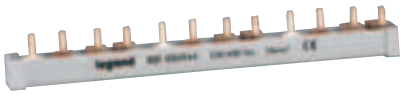
• Isc peak 20 to 75 kÂ

Admissible maximum rating (A)	Extra-flat Cat.Nos	Extra-flat Isc peak (kA)	Extra-flat Number and section of conductors per pole (mm²) Inputs	Extra-flat Outputs	Stepped Cat.Nos	Stepped Isc peak (kA)	Stepped Number and section of conductors per pole (mm²) Inputs	Stepped Outputs
125	374 47	25	1 x 35	10 x 16 (Ph) 17 x 16 (N)	373 95	20	4 bars 12 x 4 mm receiving 5 connectors 2 x 10 each	
					374 30	35	1 x 35	5 x 25
160					374 31	35	1 x 70	5 x 35
250	374 00	60	1 x 150	1 x 70 or 1 x 50 + 1 x 35 or 2 x 35	374 35	35	1 x 120	5 x 50
400					373 08	42	2 x Ø8.5 mm	21 holes M6 70 mm² max. connectors
					374 42	50/75	2 x 185	15 holes M6 15 holes M8

supply busbars, entry terminals
"standard" distribution


049 26

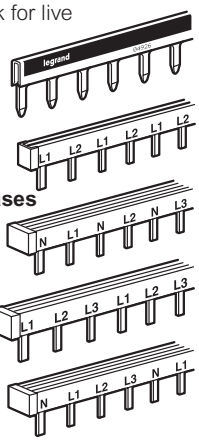

049 14


049 44

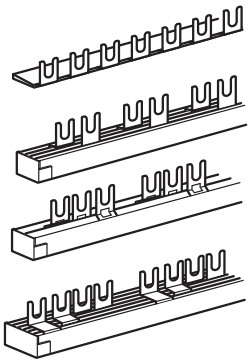

049 05

Standard distribution

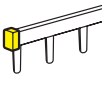
Pack	Cat.Nos	Prong-type supply busbars	Length	Max. number of devices connected
		Universal single pole + neutral Reversible: blue for neutral, black for live		
20	049 26		1 row	13
10	049 37		Meter	57
		Double pole		
50	049 38(1)		1 row	6
10	049 39		Meter	28
		Double pole balanced on 3 phases		
3	049 40(1)		1 row	6
10	049 41		Meter	28
		Triple pole		
40	049 42(1)		1 row	4
10	049 43		Meter	19
		Four pole		
30	049 44		1 row	3
10	049 45		Meter	14



Pack	Cat.Nos	Fork-type supply busbars	Length	Max. number of devices connected
		Single pole		
20	049 11		1 row	12
10	049 12		Meter	57
		Double pole		
10	049 14		Meter	28
		Triple pole		
5	049 17		1 row	4
10	049 18		Meter	19
		Four-pole		
10	049 20		Meter	14



Pack	Cat.Nos	Protection
		Protection of prongs
20	049 88	12 modules Can be cut to length
		Protection of supply busbar ends
40	049 89	For single pole/single pole + neutral
20	049 90	For double pole length 1 m and triple pole
20	049 91	For four-pole



Pack	Cat.Nos	Entry terminals
20	049 05	For universal single pole + neutral or single pole supply busbars Cross section: 4 to 25 mm² - IP 2X
20	049 06	For all supply busbars Cross section: 6 to 35 mm²

(1) Filled with end protection

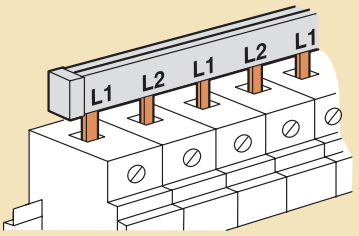
supply busbars, entry terminals
"standard" distribution

■ Technical characteristics

	Busbars types	Max. number of devices connected	Length in number of 17.5 mm modules	Cross section (mm²)	Permissible current: 1 central power supply point	2 power supply point
Single pole or Single pole + neutral	1 row	13	13	16^2	80	100
	Meter	57	57			
Double pole	1 row	6	12	10^2	63	90
	Meter	28	56	16^2	80	100
Double pole balanced on 3-phases	1 row	6	12	10^2	63	90
	Meter	28	56	16^2	80	100
Triple pole	1 row	4	12	10^2	63	90
	Meter	19	57	16^2	80	100
Four pole	1 row	3	12	10^2	63	90
	Meter	14	56	16^2	80	100

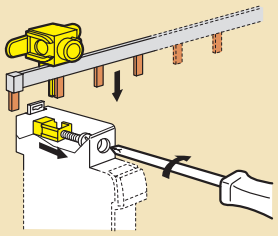
■ Use of supply busbars

Universal single phase + neutral
- blue for neutral
- black for live

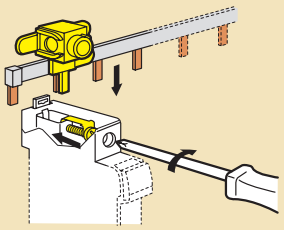


Entry terminal

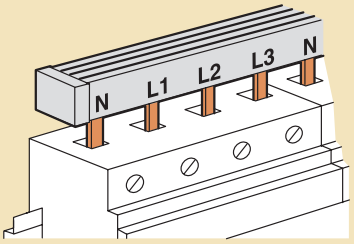
Power supply at the rear of the busbar
For all devices with moving cage terminals type Lexic

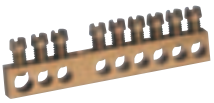


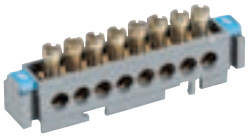
Power supply at the front of the busbar
For all devices with fixed cage terminals



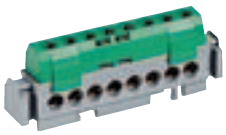
Four pole busbar




048 03


048 22


048 15


048 32

Standard distribution

Pack	Cat.Nos				
		Distribution terminal blocks			
		Conform to standard IEC 60998-2-1 Supplied ready for use (screws not tightened) 100 A max. - 400 V~ with 25 mm² input 80 A max. - 400 V~ with 16 mm² input			
		Screw terminal blocks			
		Fit with Ø M4 screws			
		Number of connections 6 to 25²	1.5 to 16²	Length (mm)	
10	048 01	1	4	45	
10	048 03	1	8	73	
10	048 05	1	14	122	
10	048 06	1	19	157	
10	048 07	1	24	192	
		Terminal blocks on support			
		Supplied with Duplix(1) markers			
		Number of connections I6 to 25²	1.5 to 16²	Length (mm)	
10	048 20	-	4	47	
10	048 22	-	8	75	
10	048 24	1	12	113	
10	048 25	1	16	141	
10	048 26	1	21	176	
10	048 28	1	33	276	
	Phase (black) / Neutral (blue)	**IP 2X terminal blocks**			
		Number of connections 10 to 35²	6 to 25²	Length (mm)	
10	048 16 / 048 15	1	5	62	
		Number of connections 6 to 25²	1.5 to 16²	Length (mm)	
10	048 50 / 048 40	-	4	47	
10	048 52 / 048 42	-	8	75	
10	048 54 / 048 44	1	12	113	
10	048 45	1	16	141	
10	048 46	1	21	176	
10	048 48	2	33	276	
	Earth (green)				
10	048 30	-	4	47	
10	048 32	-	8	75	
10	048 34	1	12	113	
10	048 35	1	16	141	
10	048 36	1	21	176	
10	048 38	2	33	276	

		Supports for terminal blocks
1	048 10	Distribution block support for connecting up to 4 IP 2X terminal block of the same size to create a distribution block
5	048 11	Universal support for mounting an terminal blocks on ⊔ or ⊏⊐ rail
5	048 17	35-holes empty support, for screw terminal blocks Length: 276 mm
10	048 19	Flat bar 12 x 2 Length: 1 m

(1) Each terminal block is supplied with:
- 2 green Duplix marked ⏚ - 2 blue Duplix marked N
- 2 red Duplix marked L

distribution terminal blocks

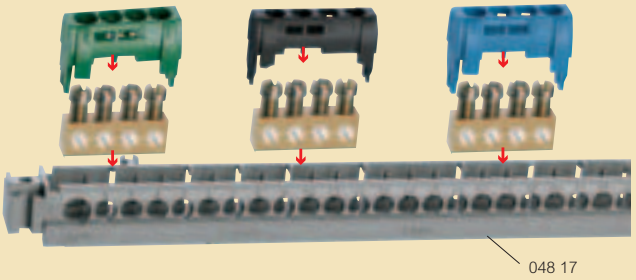
■ Mounting of terminal blocks on support

On 12 x 2 flat bar

On support for terminal blocks Cat.No 048 17

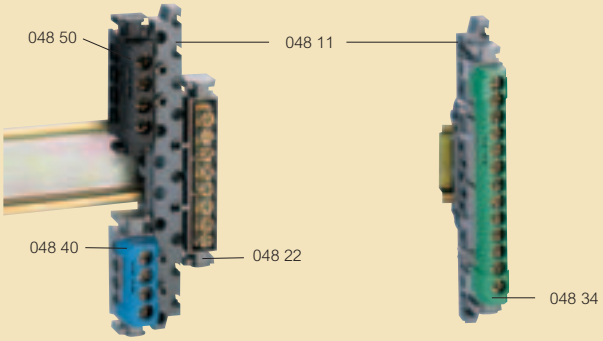
Enables you to make exactly the right number of connections

• Example:



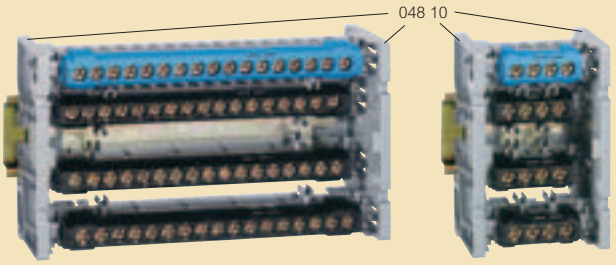
Universal support Cat.No 048 11

Mounted on ⊔ or ⊏⊐ rail, takes all terminal blocks

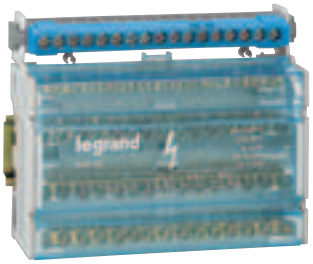


On distribution block support Cat.No 048 10

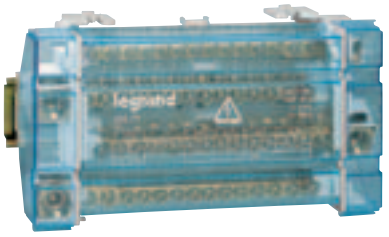
Possibility of forming a 2P, 3P or 4P distribution block by associating IP 2X terminal blocks



modular distribution blocks
40 to 250 A



048 88 + 048 45



048 79

048 77


048 68

Technical characteristics (p. 235)

Connection with or without Starfix ferrules (p. 368)
Self-extinguishing, according to EN 60695-2-11: 960 °C on active part supports

Monobloc modular distribution blocks

Mounting on rail ⊔ or on plate with 2 screws
Supplied with insulated back plate and transparent protective front cover
Each bar can be labelled using CAB 3
Possible to add IP 2X terminal block (except Cat.No 048 77)

Double pole

Equipped with 2 bars

Pack	Cat.Nos	Rating	Number of connections per bar	Section of conductors (mm) Rigid	Section of conductors (mm) Flexible	Isc peak (kA)	Icw (kA)	Number of modules
5	048 81	40 A	11 2	1.5 to 4 6 to 16	0.75 to 4 4 to 10	20	3	6
10	048 80	100 A	5 2	2.5 to 10 10 to 25	1.5 to 10 6 to 16	20	4.5	4
5	048 82	125 A	11 2 2	2.5 to 10 10 to 25 10 to 35	1.5 to 10 6 to 16 10 to 25	18	4.5	8

Four pole

Equipped with 4 bars

Pack	Cat.Nos	Rating	Number of connections per bar	Section of conductors (mm) Rigid	Section of conductors (mm) Flexible	Isc peak (kA)	Icw (kA)	Number of modules
5	048 85	40 A	11 2	1.5 to 4 6 to 16	0.75 to 4 4 to 10	20	3	6
10	048 84	100 A	5 2	2.5 to 10 10 to 25	1.5 to 10 6 to 16	20	4.5	4
5	048 86	125 A	7 2 2	2.5 to 10 10 to 25 10 to 35	1.5 to 10 6 to 16 10 to 25	20	4.5	6
5	048 88	125 A	11 4	2.5 to 10 10 to 35	1.5 to 10 6 to 25(1)	14.5	4.2	8
1	048 79	160 A	1 8 4 2	35 to 70 2.5 to 10 10 to 25 10 to 35	35 to 70 1.5 to 10 6 to 16 10 to 25(1)	27	8.4	10
1	048 77	250 A	6 2 2 1 1	2.5 to 16 10 to 25 10 to 35 16 to 50 50 to 120	2.5 to 10 6 to 16 10 to 25 16 to 35 50 to 120	42	14.4	9

Modular distribution blocks

Mounting on rail ⊔
Fitted with Lexic label holder
Can be joined together
Possibility of forming a four pole distribution block by adding modules

Single pole

Pack	Cat.Nos	Rating	Number of connections	Section of conductors (mm^2) Rigid	Section of conductors (mm^2) Flexible	Isc peak (kA)	Number of modules
4	048 71	125 A	4 12	16 to 50 1.5 to 10	16 to 35 1.5 to 10	35	2
4	048 83	160 A	1 7 2 3	35 to 70 2.5 to 10 6 to 25 10 to 35	25 to 50 1.5 to 10 6 to 16 10 to 25	27	2
4	048 73	250 A	1 4 6	70 to 150 2.5 to 16 10 to 35	70 to 120 2.5 to 10 10 to 25	60	2

Distribution terminal

Pack	Cat.Nos		Isc peak (kA)
1	048 67	160 A - 6 outputs 25 mm^2 flexible Can be fitted directly onto downstream terminal of DPX 125/160, Vistop 100 and 160 A and DX 125 A	30
1	048 68	250 A - 4 outputs 35 mm^2 flexible and 2 outputs 25 mm^2 flexible Can be fitted directly onto downstream terminal of DPX 250/250 ER and DPX-IS 250	36

DPX MCCBs (from p. 62 to 75)

Vistop isolating switches (p. 100)

DX MCBs (p. 124 to 133)

(1) With short ferrule supplied

power distribution blocks

374 00

373 08

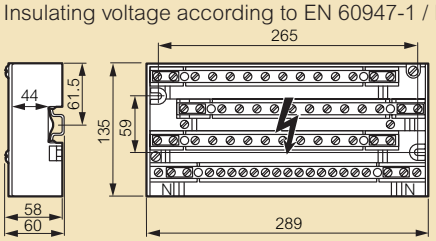
Standard distribution
Supplied with screen protection

Pack	Cat.Nos	Extra-flat for lugs
		125 A
1	374 47	Fixing on rail EN 60715 ⊔ or on plate with M6 screws. Equipped with: - 1 incoming 35 mm² (possible tapp-off) - 10 phase outgoing 16 mm² - M5 screws - 17 neutral outgoing 16 mm² - M5 screws Connection possible using connector Cat.No 373 65 (p.186)
		250 A
1	374 00	Fixing on plain plate or on plate with M6 screws Distribution block 1 incoming 150 mm² per pole: - 1 pole is composed of 3 parts - Each part can receive: 1 x 70 mm² or 1 x 50 mm² and 1 x 35 mm², or 2 x 35 mm² or 1 connector with 3 outgoing terminals Cat.No 374 03 (p. 239)
		Stepped for lugs
		125 A
1	373 95	Fixing on rail EN 60715 ⊔ symmetrical depth 15 mm or on plate with screws Ø4 mm (by removing claws) 4 bars 12 x 4 mm with five connectors 2 x 10 mm²/bar (not mounted)
1	374 30	Fixing on rail EN 60715 ⊔, with claws Cat.No 374 39 (p. 285) or on plate with M6 screws 4 bars 15 x 4 mm supplied with: - 1 incoming 35 mm² - M8 screws - 5 outgoing 25 mm² - M6 screws
		160 A
1	374 31	Fixing on rail EN 60715 ⊔, with claws Cat.No 374 39 (p. 285) or on plate with M6 screws 4 bars 18 x 4 mm supplied with: - 1 incoming 70 mm² max. - M8 screws - 5 outgoing 35 mm² - M6 screws
		250 A
1	374 35	Fixing on rail EN 60715 ⊔, with claws Cat.No 374 39 (p. 285) or on plate with M6 screws 4 bars 25 x 4 mm supplied with: - 1 incoming 120 mm² - M10 screws - 5 outgoing 50 mm² - M8 screws
		400 A
1	373 08	Horizontal mounting in XL³ 400 cabinets, vertical in XL³ 400 cable sleeve, vertical in XL³ 800 internal cable sleeve or on solid plate using the M6 screws supplied Distribution block consisting of 4 tin-coated bars 32 x 5 mm with insulated protection Composition of each bar: - 2 x Ø 8.5 mm untapped holes for power supply (flexible bars, ...) - 21 outgoing M6 holes (70 mm² lugs max.)
1	374 42	Fixing on rail EN 60715 ⊔, with claws Cat.No 374 39 (p. 285) Distribution block consisting of 4 bars 32 x 5 mm Composition of each bar: - 2 x Ø 10.5 mm untapped holes for power supply (185 mm² max.) - 15 outgoing M6 holes, 4 outgoing M8 holes

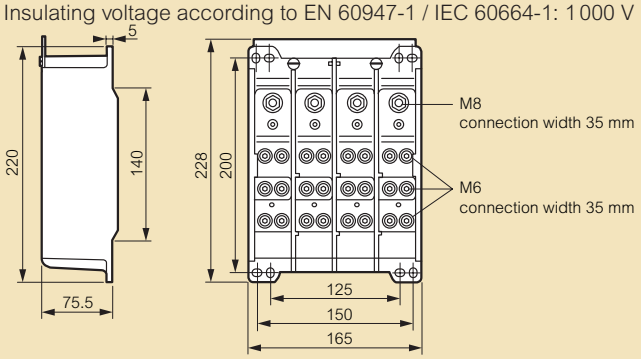
■ Extra-flat for lugs

Self extinguishing: 960 °C according to EN 60695-2-11

125 A Cat.No 374 47 - Isc peak 25 kA
Insulating voltage according to EN 60947-1 / IEC 60664-1: 500 V



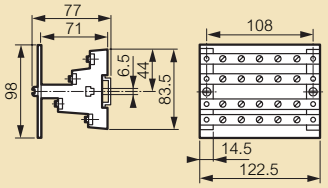
250 A Cat.No 374 00 - Isc peak 60 kA
Insulating voltage according to EN 60947-1 / IEC 60664-1: 1 000 V



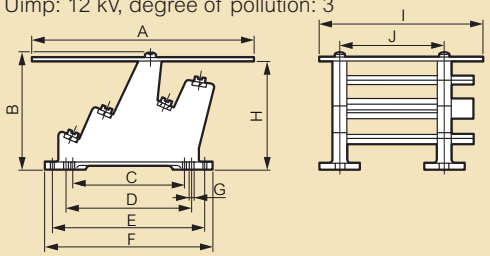
■ Stepped for lugs

Self extinguishing: 850 °C according to EN 60695-2-11

125 A Cat.No 373 95 - Isc peak 20 kA
Insulating voltage according to EN 60947-1 / IEC 60664-1: 600 V



125/160/250 A Cat.Nos 374 30/31/35 - Isc peak 35 kA
Insulating voltage according to EN 60947-1 / IEC 60664-1: 1 000 V
Uimp: 12 kV, degree of pollution: 3

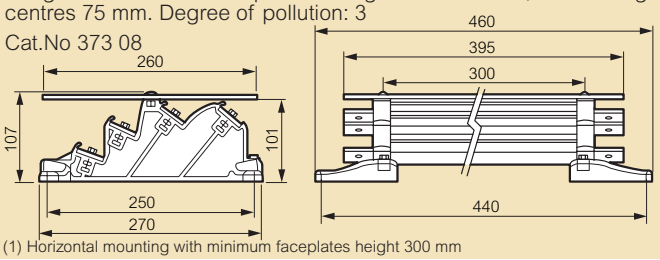


Dimensions (mm)

Distribution blocks	A	B	C	D	E	F	G	H	I	J
125 A	225	125	110	125	165	189	6.5	117.5	165	108
160 A	240	125	110	125	165	189	6.5	117.5	180	120
250 A	260	155	110	125	185	209	6.5	147.5	195	120

400 A(1) **Cat.No 373 08** - Isc peak 42 kA. Insulating voltage according to EN 60947-1 / IEC 60664-1: 1 000 V. Uimp: 12 kV, degree of pollution: 3
Self extinguishing: 960 °C according to EN 60695-2-11
Cat.No 374 42 - Isc peak 50/75 kA. Insulating voltage according to EN 60947-1 / IEC 60664-1: 1 000 V fixing centres 50 mm,1 500 V fixing centres 75 mm. Uimp: 8 kV fixing centres 50 mm, 12 kV fixing centres 75 mm. Degree of pollution: 3

Cat.No 373 08



(1) Horizontal mounting with minimum faceplates height 300 mm

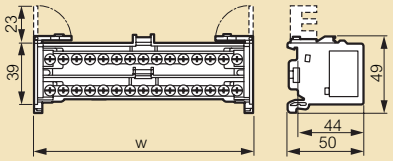
modular distribution blocks

Conform to EN 60947-1
Insulating voltage according to EN 60947-1 / IEC 60664-1: 500 V
Impulse voltage (Uimp): 8 kV - Degree of pollution: 3
Use in DC: without derating
Self-extinguishing 960 °C on active parts supports

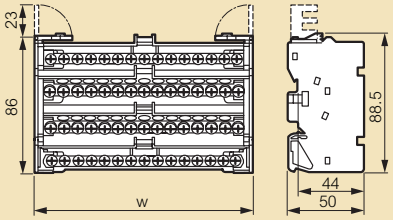
■ Simple-piece modular distribution blocks

Double pole 40 - 100 - 125 A, Cat.Nos 048 81/80/82

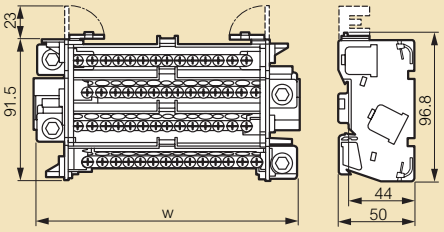
Cat.Nos	Width (mm)
048 80	70
048 81	105
048 82	140
048 84	70
048 85	105
048 86	105
048 88	140
048 77	160
048 79	179



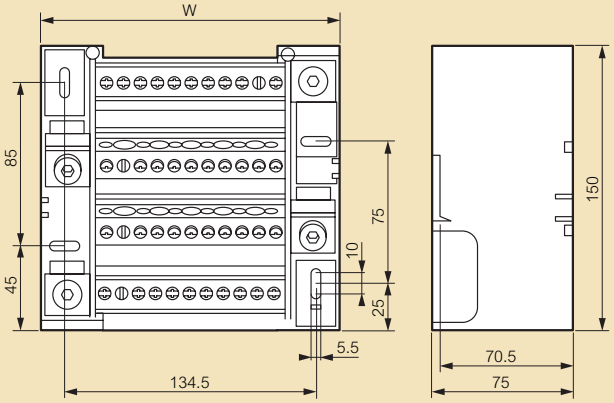
Four pole 40 - 100 - 125 A, Cat.Nos 048 85/84/86/88



Four pole 160 A, Cat.No 048 79

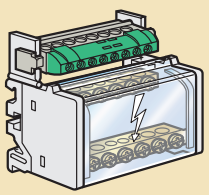


Four pole 250 A, Cat.No 048 77
Self-extinguishing 960 °C according to EN 60695-2-11



■ Use of IP 2X terminal blocks (p. 232)

Modular distribution blocks	IP 2X Terminal blocks	Derating Voltage	Derating Rating
048 80	048 32(1)	400 V	80 A
048 81	048 34(1)	400 V	40 A
048 82	048 35(1)	400 V	100 A
048 84	048 42(2)	400 V	80 A
048 85	048 44(2)	400 V	40 A
048 86	048 44(2)	400 V	100 A
048 88	048 45(2)	400 V	100 A
048 79	048 45(2)	400 V	100 A

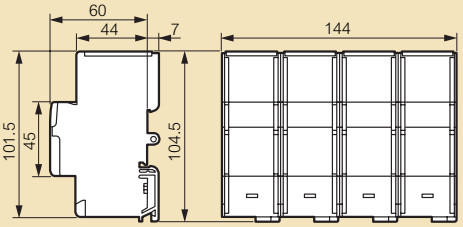


048 80 + 048 32

(1) ⏚
(2) Neutral

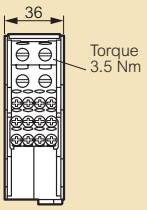
■ Modular distribution blocks

Single pole 125 - 160 - 250 A, Cat.Nos 048 71/83/73



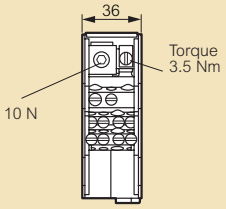
Connection

125 A



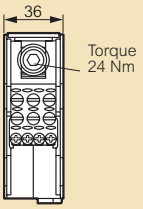
Cat.No 048 71

160 A



Cat.No 048 83

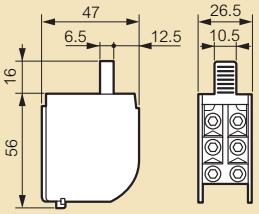
250 A



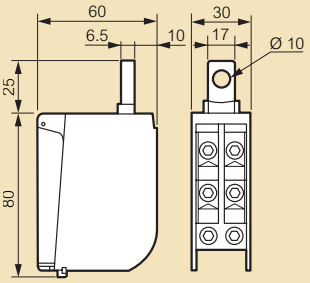
Cat.No 048 73

■ Distribution terminals, Cat.Nos 048 67/68

160 A



250 A

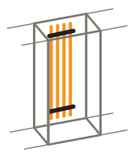
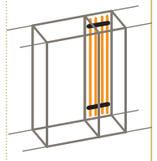
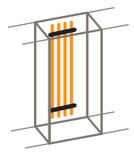
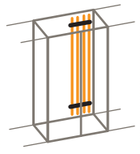
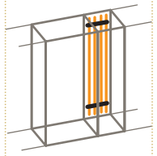
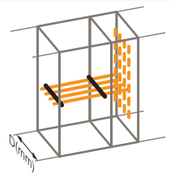
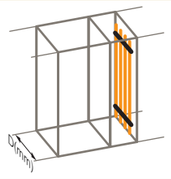
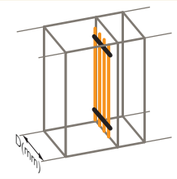
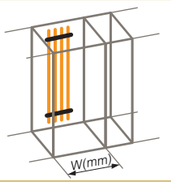
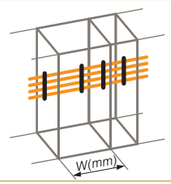
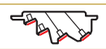
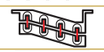
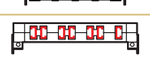


■ Section for connecting flexible conductors

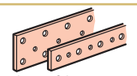
with Starfix ferrules

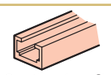
Distribution Blocks Cat.Nos	Connections per bar Number	Connections per bar Ø (mm)	Flexible conductors with ferrules Section (mm²)	Flexible conductors with ferrules Starfix ferrules Cat.Nos
048 67	6	8.5	6 to 25	376 68 to 71
048 68	4 2	10 8.9	6 to 35 6 to 25	376 68 to 77 376 68 to 71
048 71	12 2 x 2	5.3 10	1.5 to 10 16 to 35	376 64 to 69 376 70 to 72 376 70 to 77
048 73	4 6 1	6 8.5 -	2.5 to 10 10 to 25 70 to 120	376 66 to 69 376 69 to 72 -
048 80	5 2	5.3 7.5	1.5 to 10 6 to 16	376 64 to 69 376 68 to 70 / 72
048 81	11 2	4.3 6	0.75 to 4 4 to 10	376 62 to 67 376 67 / 68 / 69
048 82	11 2 2	5.3 7.5 9	1.5 to 10 6 to 16 10 to 25	376 64 to 69 376 68 to 70 / 72 376 69 / 72 / 71
048 83	7 2 3 1	5.3 7.5 8.9 -	1.5 to 10 6 to 16 10 to 25 25 to 50	376 64 to 69 376 68 / 69 / 72 376 69 / 72 376 71 à 77 / 78
048 84	5 2	5.3 7.5	1.5 to 10 6 to 16	376 64 to 69 376 68 to 70 / 72
048 85	11 2	4.3 6	0.75 to 4 4 to 10	376 62 to 67 376 67 / 68 / 69
048 86	7 2 2	5.3 7.5 9	1.5 to 10 6 to 16 10 to 25	376 64 to 69 376 68 to 70 / 72 376 69 / 72
048 88	11 4	5.3 8.5	1,5 to 10 6 to 25	376 64 to 69 376 68 to 71
048 79	1 8 4 2	 5.3 7.5 8.5	35 to 70 1.5 to 10 6 to 16 10 to 25	376 77 / 78 376 64 to 69 376 68 to 70 / 72 376 69 / 72

busbars support selection chart
standard distribution

BUSBARS SUPPORT				XL³ 400		XL³ 800			XL³ 4 000														
																					
Type of copper bar	Max. in (A)	Supports		vertical at back of cabinet or enclosure	vertical at back of cable sleeves	vertical at back of cabinet or enclosure	vertical at back of internal cable sleeves	vertical at back of external cable sleeves	horizontal main top or bottom			horizontal transfer			side-mounted vertical in cable sleeve			side-mounted vertical in enclosure		vertical at back			horizontal at back		
									D: 475	D: 725	D: 975	D: 475	D: 725	D: 975	D: 475	D: 725	D: 975	D: 725	D: 975	W: 475	W: 725	W: 975	W: 475	W: 725	W: 975
Flat	400		373 10		●		●																		
			373 15	●		●(1)														●(5)					
	800		373 20					●							●(3)	●(4)	●(6)	●(3)	●(4)	●(3)	●(4)	●(6)	●(3)	●(4)	●(6)
	1 000		373 21												●(3)	●(4)	●(6)								
	1 600		373 22/23						●(2)	●(3)	●(4)	●(2)	●(3)	●(4)	●(3)	●(4)	●(6)	●(3)	●(4)		●(4)	●(6)	●(3)	●(4)	●(6)
	4 000		373 24/25							●(5)	●(8)		●(5)	●		●	●(6)		●				●(3+7)	●(4+7)	●(6+7)
C-sect.	1 250		373 73/74							●					●	●(4)		●			●(4)				
	2 500		373 75/76								●					●	●(4)		●		●	●(6)			

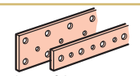
(1) extension piece Cat.No 373 14 (2) with crosspiece Cat.No 205 51 and partial chassis (3) with crosspiece Cat.No 205 51 (4) with crosspiece Cat.No 205 52 (5) with partial chassis (6) with crosspiece Cat.No 205 53 (7) enclosure depth 725 mm minimum (8) with upright Cat.No 205 20 in cable sleeves

FLAT COPPER BARS			BUSBARS SUPPORTS							
			≤ 400 A		≤ 800 A		≤ 1 000 A	
			Cat.No 373 10		Cat.No 373 15		Cat.No 373 20		Cat.No 373 21	
Cat.Nos	Section (mm)	 Number of bar per pole	I (A) IP ≤ 30	I (A) IP > 30	I (A) IP ≤ 30	I (A) IP > 30	I (A) IP ≤ 30	I (A) IP > 30	I (A) IP ≤ 30	I (A) IP > 30
374 34	18 x 4	1	245	200	245	200	245	200	-	-
374 38	25 x 4	1	280	250	-	-	-	-	-	-
374 18	25 x 5	1	330	270	330	270	330	270	-	-
374 19	32 x 5	1	450	400	450	400	450	400	-	-
374 40	50 x 5	1	-	-	-	-	700	630	700	630
374 41	63 x 5	1	-	-	-	-	800	700	800	700
374 59	75 x 5	1	-	-	-	-	-	-	950	850
374 43	80 x 5	1	-	-	-	-	-	-	1 050	900

C-SECTION COPPER BARS		BUSBARS SUPPORTS							
		≤ 1 000 A		≤ 1 250 A		≤ 2 000 A		≤ 2 500 A	
		Cat.No 373 21		Cat.Nos 373 73/74		Cat.Nos 373 75/76		2 x Cat.Nos 373 73/74 + 373 77	
Cat.No and number of bars per phase/pole	 Section (mm²)	I (A) IP ≤ 30	I (A) IP > 30	I (A) IP ≤ 30	I (A) IP > 30	I (A) IP ≤ 30	I (A) IP > 30	I (A) IP ≤ 30	I (A) IP > 30
1 x 374 60	155	500	400	500	400	500	400	-	-
1 x 374 61	265	800	630	800	630	800	630	-	-
1 x 374 62	440	1 250	1 000	1 000	800	1 000	800	-	-
2 x 374 62	880	-	-	-	-	1 600	1 250	-	-
1 x 098 82	640	-	-	1 250	1 000	-	-	-	-
1 x 374 62 + 1 x 098 82	1 080	-	-	-	1 000	-	-	2 000	1 600
2 x 098 82	1 280	-	-	-	-	-	-	2 900	2 500

Red catalogue numbers: New products

legrand

FLAT COPPER BARS			BUSBARS SUPPORTS							
			≤ 1 600 A				≤ 4 000 A			
			Cat.Nos 373 22/23				Cat.Nos 373 24/25			
Cat.Nos	Section (mm)	 Number of bars per pole	 I (A) IP ≤ 30	I (A) IP > 30	 I (A) IP ≤ 30	I (A) IP > 30	 I (A) IP ≤ 30	I (A) IP > 30	 I (A) IP ≤ 30	I (A) IP > 30
374 40	50 x 5	1	700	630	430	350	700	630	500	420
		2	1 150	1 000	650	510	1 180	1 020	750	630
		3	-	-	-	-	1600	1 380	1 000	900
		4	-	-	-	-	2020	1 720	1 120	1 000
374 41	63 x 5	1	800	700	500	400	800	700	600	500
		2	1 350	1 150	770	590	1 380	1 180	750	630
		3	-	-	-	-	1900	1 600	1 100	1 000
		4	-	-	-	-	2 350	1 950	1 350	1 200
374 59	75 x 5	1	950	850	600	475	950	850	700	600
		2	1 500	1 300	890	700	1 600	1 400	1 000	850
		3	-	-	-	-	2 200	1 900	1 250	1 100
		4	-	-	-	-	2 700	2 300	1 600	1 400
374 43	80 x 5	1	1 000	900	630	500	1 000	900	750	630
		2	1 650	1 450	940	740	1 700	1 480	1 050	900
		3	-	-	-	-	2 350	2 000	1 300	1 150
		4	-	-	-	-	2 850	2 400	1 650	1 450
374 46	100 x 5	1	1 250	1 050	750	580	1 250	1 050	850	700
		2	1 900	1 600	1 120	900	2 050	1 800	1 200	1 050
		3	-	-	-	-	2 900	2 450	1 600	1 400
		4	-	-	-	-	3 500	2 900	1 900	1 650
	125 x 5	1	-	-	-	-	1 450	1 270	1 000	800
		2	-	-	-	-	2 500	2 150	1 450	1 250
		3	-	-	-	-	3 450	2 900	1 800	1 600
		4	-	-	-	-	4 150	3 450	2 150	1 950
	80 x 10	1	-	-	-	-	1 460	1 270	1 150	950
		2	-	-	-	-	2 500	2 150	1 700	1 500
		3	-	-	-	-	3 450	2 900	2 500	2 000
	100 x 10	1	-	-	-	-	1 750	1 500	1 350	1 150
		2	-	-	-	-	3 050	2 550	2 000	1 650
		3	-	-	-	-	4 150	3 500	2 900	2 400
	120 x 10	1	-	-	-	-	2 000	1 750	1 650	1 450
		2	-	-	-	-	3 600	2 950	2 500	2 000
		3	-	-	-	-	4 800	4 000	3 500	3 000

Red catalogue numbers: New products

isolating supports for busbars in XL³ cabinets and enclosures

373 10

373 24

"Standard" distribution

Pack	Cat.Nos	1 bar per pole universal supports
		≤ 280 A
10	373 98	Single pole support for bars 12 x 2 or 14 x 4 mm
10	374 37	Single pole support for bars 15 x 4, 18 x 4 or 25 x 4 mm
5	373 96	Set of 2 four pole supports for bars 12 x 2 or 12 x 4 mm
1	374 32	Set of 2 four pole supports for bars 15 x 4 or 18 x 4 mm
1	374 36	Set of 2 four pole supports for bars 25 x 4 mm

Pack	Cat.Nos	1 bar per pole
		≤ 400 A
1	373 15	Support for flat copper bars 18 x 4, 25 x 5 and 32 x 5 mm, in flat position For mounting directly in XL³ 400 cabinets and enclosures and with extension piece Cat.No 373 14 in XL³ 800 and 4 000 cabinets and enclosures
1	373 10	Support for copper bars 18 x 4, 25 x 4, 25 x 5 and 32 x 5 mm, in sloping position to create a vertical busbars at back For mounting directly in - XL³ 400, in cable sleeves - XL³ 800, in internal cable sleeves - on solid or perforated plate
		≤ 800 A
1	373 20	Support for flat copper bars 18 x 4, 25 x 5, 32 x 5, 50 x 5 and 63 x 5 mm in sloping position For mounting directly in XL³ 800 • Vertical busbars at back of external cable sleeve For mounting with crosspiece in XL³ 4 000 • Side-mounted vertical busbars in enclosures Depth (mm) / Crosspiece Cat.No: 725 – 205 51; 975 – 205 52 • Side-mounted vertical busbars in cable sleeves Depth (mm) / Crosspiece Cat.No: 475 – 205 51; 725 – 205 52; 975 – 205 53 • Horizontal and vertical busbars at back Width (mm) / Crosspiece Cat.No: 475 – 205 51; 725 – 205 52; 975 – 205 53
		≤ 1 000 A
1	373 21	Support for flat copper bars 50 x 5, 63 x 5, 75 x 5 and 80 x 5 mm and C-section bars 155, 265 and 440 mm², in staggered position For mounting with crosspiece in XL³ 4 000 • Side-mounted vertical busbars in cable sleeves Depth (mm) / Crosspiece Cat.No: 475 – 205 51; 725 – 205 52; 975 – 205 53

Pack	Cat.Nos	1 or 2 bars per pole
	NEW	Supports for flat copper bars 50 x 5, 63 x 5, 75 x 5, 80 x 5 and 100 x 5 mm, in aligned position
		≤ 1 600 A
1	373 22	Fixed support For mounting in XL³ 4 000 with crosspiece: • Horizontal transfer and side-mounted vertical busbars in enclosures Depth (mm) / Crosspiece Cat.No: 725 – 205 51; 975 – 205 52 • Horizontal main busbars Depth (mm) / Crosspiece Cat.No: 475 – 205 51; 725 – 205 52; 975 – 205 53 • Horizontal busbars at back Width (mm) / Crosspiece Cat.No: 475 – 205 51 or 205 21(1); 725 – 205 52 or 205 22(1); 975 – 205 53 or 205 23(1) • Side-mounted vertical busbars in cable sleeves Depth (mm) / Crosspiece Cat.No: 475 – 205 51; 725 – 205 52; 975 – 205 53 • Vertical busbars at back Width (mm) / Crosspiece Cat.No: 725 – 205 52; 975 – 205 53
1	373 23	Additional support Mounted in addition to fixed support Cat.No 373 22 to comply with the distances (Isc withstand)

Pack	Cat.Nos	1 to 4 bars per pole
	NEW	Supports for 4 flat bars 50 x 5 to 125 x 5 mm or 3 bars 80 x 10 to 120 x 10 mm, in aligned position
		≤ 4 000 A
1	373 24	Fixed support For mounting directly in XL³ 4 000: • Horizontal transfer busbars in cable sleeves depth 725 mm and in enclosures depth 975 • Side-mounted vertical busbars in enclosures depth 975 and in cable sleeves depth 725, and 975 mm with upright Cat.No 205 20 (p. 208) • Horizontal main vertical busbars in enclosures and cable sleeves depth 725 and 975 mm (with upright Cat.No 205 20 p. 208 in internal cable sleeves) For mounting with crosspiece in XL³ 4 000 (depth ≥ 725 mm) • Horizontal busbars at back Width (mm) / Crosspiece Cat.No: 475 – 205 51 or 205 21(1); 725 – 205 52 or 205 22(1); 975 – 205 53 or 205 23(1)
1	373 25	Additional support Mounted in addition to fixed support Cat.No 373 24 to comply with the distances (Isc withstand)

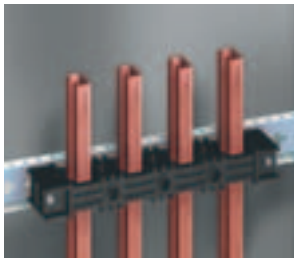
(1) Fixed crosspieces Cat.Nos 205 21/22/23, intermediate structural upright Cat.No 205 20 (p. 208)

Red catalogue numbers: New products

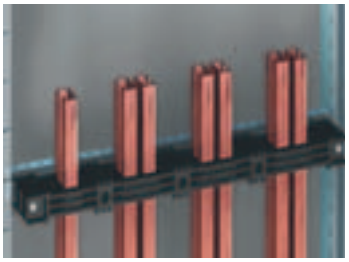
isolating supports for busbars in XL³ cabinets and enclosures (continued)

NEW

copper bars



373 73



373 75

Pack	Cat.Nos	1 C-section bar per pole
		≤ 1 250 A
1	373 73	Support for copper C-section bars Cat.Nos 374 60/ 61/62 and Cat.No 098 82 For mounting in XL³ 4 000 enclosure or cable sleeves: - Horizontal busbars - Side-mounted vertical busbars - Vertical busbars at back
1	373 74	Lug support For fitting at the bottom of a vertical busbars
		1 or 2 C-section bars per phase
		≤ 2 500 A
1	373 75	Support for 1 or 2 copper C-section bars Cat.Nos 374 60/61/62 per phase or 1 bar Cat.No 098 82 (1 single bar for the neutral) For mounting in XL³ 4 000 enclosures or cable sleeves: - Horizontal busbars - Side-mounted vertical busbars - Vertical busbars at back
1	373 76	Lug support For fitting at the bottom of a vertical busbars
		Accessories for C-section busbars
		Joining kit
1	373 77	For joining supports Cat.Nos 373 73/74/75/76 to create busbars up to 2 000 A
		Connection plates For connecting C-section bars to extend a busbars or to connect vertical bars to horizontal bars
1	373 82	1 bar per phase
1	373 83	2 bars per phase
		Fixing supports
		Set of 2 adjustable crosspieces
1	205 51	Length 350 mm
1	205 52	Length 600 mm
1	205 53	Length 850 mm
		Set of 2 crosspieces for partial chassis
1	205 31	Length 350 mm
1	205 32	Length 600 mm
		Extension piece
1	373 14	For mounting busbars supports Cat.No 373 15 and Lexic distribution blocks Cat.No 373 16/17/18 in XL³ 800 and 4 000 cabinets and enclosures

374 19 + 373 11

Standard distribution

Copper bars

Rigid flat

Pack	Cat.Nos	Cross section (mm)	Permissible (A)	Threaded holes Ø mm	Threaded holes Pitch	Length (mm)
10	373 88	12 x 2	110	M5	18	990
10	373 89	12 x 4	160	M5	18	990
10	374 33	15 x 4	200	M6	18	990

Pack	Cat.Nos	Cross section (mm)	I (A) IP ≤ 30	I (A) IP > 30	Threaded holes	Length (mm)
10	374 34	18 x 4	245	200	M6	990
10	374 38	25 x 4	280	250	M6	990
4	374 18	25 x 5	330	270	M6	1 750
4	374 19	32 x 5	450	400	M6	1 750

Pack	Cat.Nos	Cross section (mm)	I (A) IP ≤ 30	I (A) IP > 30	Holes Ø mm	Length (mm)
1	374 40	50 x 5	700	630	10.5 - 6.5	1 750
1	374 41	63 x 5	800	700	10.5 - 8.5	1 750
1	374 59	75 x 5	950	850	10.5 - 6.5	1 750
1	374 43	80 x 5	1 000	900	10.5 - 6.5	1 750
1	374 46	100 x 5	1 250	1 050	10.5 - 6.5	1 750

C-section

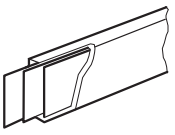
Length 1 780 mm, 40 x 20

Pack	Cat.Nos	Cross section (mm²)	I (A) IP ≤ 30	I (A) IP > 30
1	374 60	155	500	400
1	374 61	265	800	630
1	374 62	440	1 250	1 000
1	098 82	640	1 450	1 250

Flexible

Supplied flat, length 2 m

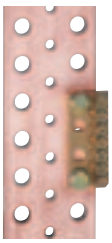
Pack	Cat.Nos	Cross section (mm)	I (A) IP ≤ 30	I (A) IP > 30
1	374 10	13 x 3	200	160
1	374 67	20 x 5	400	250
1	374 11	24 x 4	400	250
1	374 12	32 x 5	630	400
1	374 57	50 x 5	850	630
1	374 58	50 x 10	1 250	1 000



Accessories

Pack	Cat.Nos	
1/**10**	373 11	Isolating profile for flat copper bars 18 x 4, 25 x 4, 25 x 5 and 32 x 5 mm, length 1 m Supplied with fixing clips
10	374 64	M8 hammer head bolt for C-section bar
10	374 65	M12 hammer head bolt for C-section bar
50	347 48	Clip nuts with pins for M6 screws
50	347 49	Clip nuts with pins for M8 screws
50	367 75	M6-10 HF screws with contact washers

Bold pack quantities: Minimum quantities to be ordered
Red catalogue numbers: New products



374 05 on copper bar

374 80

330 74

"Standard" distribution

Pack	Cat.Nos	Connectors
		With 3 outgoing terminals 200 A
10	374 03	Fits onto flat copper bars and distribution block Cat.No 374 00 (p. 234) Capacity: • 1 x Ø5.3 mm outgoing terminal for 1.5 to 6 mm² connection • 2 x Ø7.5 mm outgoing terminals for 6 to 16 mm² connection Dimensions: 29 x 29 x 16.8 mm
		With 7 outgoing terminals 400 A
5	374 05	Fits onto flat copper bars Capacity: • 4 x Ø5.3 mm outgoing terminals for 1.5 to 6 mm² connection • 3 x Ø7.5 mm outgoing terminals for 6 to 16 mm² connection Dimensions: 29 x 62.5 x 16.8 mm

Aluminium/copper distribution boxes up to 300 mm²

Adapt the cross-section of the incoming or outgoing cable in order to connect a device
IP 2X box, self-extinguishing transparent cover
Universal fixing on ⊔ rail or on plate
Reversible sealable cover with area for label
Operational voltage: Ue = 690V~
according to EN 60947-1/IEC 60664-1
• Aluminium connection
Conform to standard NFC 63-061 class B
• Copper connection
Conform to standard EN 60947-7-1
Supplied with copper coupling strips

Pack	Cat.Nos	
5	374 80	Aluminium/copper 120 mm² distribution box 300 A max. Incoming: 16 to 120 mm² Aluminium or 16 to 120 mm² copper Outgoing: 16 to 70 mm² copper
4	374 81	Aluminium/copper 300 mm² distribution box 540 A max. Incoming: 70 to 300 mm² Aluminium or 70 to 185 mm² copper Outgoing: 70 to 150 mm² copper

Junction boxes IP 30 - IK 07

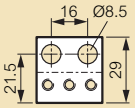
For copper cables
4 connections per pole
Reversible stirrup for zero clamping
Fitted with 4 or 5 junction blocks mounted on an insulated strip with a sheet steel cover
Knock-out entries for conduits Nos 9 and 21
Sealable cover screws
RAL 7032

Pack	Cat.Nos	Poles	Cable section (mm²)	Rated current (A)
1	330 44	4	35	125
1	330 54	4	70	192
1	330 74	4	150	309
1	330 84	4	240	415

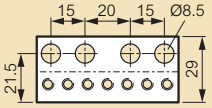
connection

Connectors

Cat.No 374 03



Cat.No 374 05



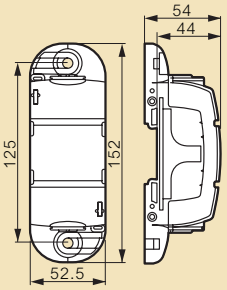
Aluminium/copper distribution boxes

Technical characteristics

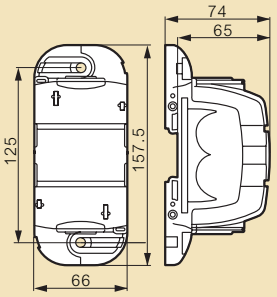
	Cat.No 374 80	Cat.No 374 81
Impulse voltage (Uimp)	10 kV	12 kV
Short-circuit current Icw for 1 second	14.5 kÂ	22.2 kA
Tightening torque	14 Nm	30 Nm

Dimensions

Cat.No 374 80

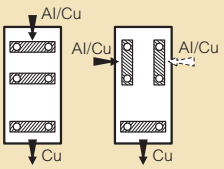


Cat.No 374 81

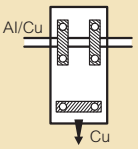


Connection

Junction

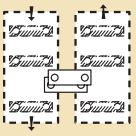


Distribution

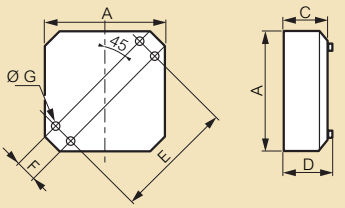


Connecting in series

This bridging is made with 2 supplied copper bars and accept max. rating of incoming cable for tap-off between 2 distributions boards



Junction boxes



Cat.Nos	A (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
330 44	236	75	89	264	40	6
330 54	276	84	99	314	40	7
330 74	319	103	118	361	50	7
330 84	510	129	144	613	65	9

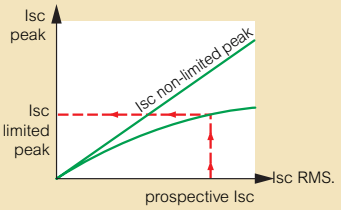
■ Peak current Ipk

The distance between the busbar supports depends on the electrodynamic forces generated when there is a short-circuit, these being directly proportional to the peak value of the short-circuit current (Ipk)
Two methods can be used to determine the peak current value according to data that is generally available:

Using the limiting capacity of the protective devices

The limitation curves of the protective devices (DX and DPX) give the limited peak current according to the prospective short-circuit current
The "Non-limited peak Isc" curve corresponds to no protection
The table opposite gives the limited peak value (Ipk) for a maximum prospective short-circuit value equal to the breaking capacity (Icu) of the device. For lower prospective short-circuit values, reading the curves will provide an optimised value

	Rating (A)	Isc peak Max. (kA)
DPX 125	16-25	11.9
DPX 125	40-63	15
DPX 125	100-125	17
DPX 160	25	14.3
DPX 160	40 to 160	20
DPX 250 ER	100 to 250	22
DPX 250	All	27
DPX-H 250	All	34
DPX 630	All	34
DPX-H 630	All	42
DPX 1600	All	85
DPX-H 1600	All	110

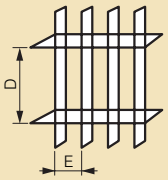


The peak value is much higher if

there are no limiting protective devices. This value is calculated by applying a coefficient of asymmetry (n) to the prospective rms value shown in the table opposite

Isc prospective RMS (kA)	n
≤ 5	1.5
5 < I ≤ 10	1.7
10 < I ≤ 20	2
20 < I ≤ 50	2.1
50 < I	2.2

■ Determining the distances between the supports



Maximum distances "D" (mm) E adjustable

Supports		373 98				374 37			
Bars		373 88 (12 x 2) or 373 89 (12 x 4)				374 33 (15 x 4) or 374 34 (18 x 4) or 374 38 (25 x 4)			
E (mm)		50	75	100	125	50	75	100	125
Isc peak (Ipk in kÂ)	10	400	600	800		350	600	750	
	15	300	450	600	800	250	400	500	700
	20	250	350	450	600	150	225	300	375
	25	200	250	300	400	125	150	200	250
	30					100	125	150	175
	35						100	125	150

Maximum distances "D" (mm) E fixed

Supports		373 96		374 32	374 36	373 10				373 15		
Bars		373 88 (12 x 2)	373 89 (12 x 4)	374 33/34 (15 x 4) (18 x 4)	374 38 (25 x 4)	374 34 (18 x 4)	374 38 (25 x 4)	374 18 (25 x 5)	374 19 (32 x 5)	374 34 (18 x 4)	374 18 (25 x 5)	374 19 (32 x 5)
Isc peak (Ipk in kÂ)	10	200	400	550	650	550	650	800	900	1 000	1 200	1 500
	15	150	300	400	500	400	600	700	800	700	1 000	1 200
	20	125	200	300	400	300	450	550	700	550	750	950
	25	100	150	200	350	250	350	400	500	400	600	750
	30			150	200	200	300	350	400	350	500	650
	35			100	150	150	250	300	350	300	400	550
	40				100	150	200	300	300	250	350	450
	45						150	200	200	200	300	400
	50						150	175	100	200	300	400
	55						100	150	100	200	250	300
	60							150		200	250	300
	70									150	200	250
	80									150	200	250

■ Determining the distances between the supports (continued)

Maximum distances "D" (mm) - E fixed: 75 mm

Supports		373 20				373 21						
Bars		1 flat bar per pole				1 C-section bar per pole			1 flat bar per pole			
		374 18 (25 x 5)	374 19 (32 x 5)	374 40 (50 x 5)	374 41 (63 x 5)	374 60 155 mm²	374 61 265 mm²	374 62 440 mm²	374 40 (50 x 5)	374 41 (63 x 5)	374 59 (75 x 5)	374 43 (80 x 5)
Isc peak (Ipk in kÂ)	10	800	900			1 100	1 600	1 600	1 000	1 200	1 200	1 200
	15	600	600	700	800	800	1 000	1 300	800	900	1 000	1 000
	20	450	500	600	700	600	800	1 000	650	700	750	750
	25	350	400	500	550	450	650	800	500	600	600	600
	30	300	350	400	450	400	550	700	400	500	550	550
	35	250	300	350	400	350	450	600	350	450	450	450
	40	200	250	275	300	300	400	550	300	350	400	400
	45	200	200	225	250	250	350	500	300	300	350	350
	50	150	150	200	200	250	300	450	250	250	300	300
	60	125	125	150	150	200	300	400	200	250	250	250
	70	100	100	150	150	150	250	350	150	200	200	200
	80			100	100		200	300	100	150	200	200
	90						200	250	100	150	200	200
	100						150	250	100	150	150	150
	110						150	200	100	100	150	150
	120						150	200	100	100	100	100

Maximum distances "D" (mm) - E fixed: 75 mm

Supports		373 22, 373 23									
Bars		1 bar per pole					2 bars per pole				
		374 40 (50 x 5)	374 41 (63 x 5)	374 59 (75 x 5)	374 43 (80 x 5)	374 46 (100 x 5)	374 40 (50 x 5)	374 41 (63 x 5)	374 59 (75 x 5)	374 43 (80 x 5)	374 46 (100 x 5)
Isc peak (Ipk in kÂ)	10	1 000	1 200	1 200	1 200	1 200					
	15	800	900	1 000	1 000	1 200					
	20	650	700	750	750	900					
	25	500	600	600	600	700					
	30	400	500	550	550	600	700	800			
	35	350	450	450	450	550					
	40	300	350	400	400	450	550	600	650	650	700
	45	300	300	350	350	400					
	50	250	250	300	300	350	450	500	500	500	550
	60	200	250	250	250	300	350	400	400	400	450
	70	150	200	250	250	250	250	350	350	350	400
	80	100	150	200	200	200	250	300	300	300	300
	90	100	150	200	200	200	200	250	300	300	300
	100	100	150	150	150	150	200	200	250	250	250
	110	100	100	150	150	150	200	150	200	200	200
	120	100	100	100	100	100	150	150	200	200	200

Maximum distances "D" (mm) - E fixed: 75 mm

Supports		1 x 373 73/74				2 x 373 73/74		373 75/76
Bars		1 C-section bar per pole				2 C-section bars per pole		2 C-section bars per pole
		374 60	374 61	374 62	098 82	374 62 + 098 82	2 x 098 82	2 x 374 62
Isc peak (Ipk in kÂ)	15	1 600	1 600	1 600	1 600	1 600	1 600	1 600
	20	900	900	1 000	1 600	1 600	1 600	1 600
	25	900	900	1 000	1 000	1 600	1 600	1 000
	30	800	800	800	800	800	800	800
	35		800	800	800	800	800	800
	40		600	600	600	800	800	800
	45		600	600	600	800	800	800
	50		600	600	600	800	800	800
	60			500	600	600	600	600
	70			500	500	600	600	500

Additional support:

• Horizontal busbars(1)
Mounted in addition:
- to 2 fixed support in enclosure width 725 et 975
- to fixed support in cable sleeves width 475

• Vertical busbars
Mounted in addition to 3 fixed supports if necessary

(1) In case of flat bar mounting, use fixed support only

Maximum distances "D" (mm) with bars thick 5 mm - E fixed: 125 mm

Supports		373 24, 373 25																			
Bars		1 bar per pole					2 bars per pole					3 bars per pole					4 bars per pole				
		50 x 5	63 x 5	75 x 5 80 x 5	100 x 5	125 x 5	50 x 5	63 x 5	75 x 5 80 x 5	100 x 5	125 x 5	50 x 5	63 x 5	75 x 5 80 x 5	100 x 5	125 x 5	50 x 5	63 x 5	75 x 5 80 x 5	100 x 5	125 x 5
Isc peak (Ipk in kÂ)	10	1 550	1 700	1 700	1 700	1 700	1 700	1 700	1 700	1 700	1 700	-	-	-	-	-	-	-	-	-	-
	15	1 050	1 200	1 350	1 550	1 700	1 550	1 700	1 700	1 700	1 700	1 700	-	-	-	-	-	-	-	-	-
	20	800	900	1 000	1 150	1 350	1 200	1 350	1 500	1 700	1 700	1 550	1 700	1 700	1 700	1 700	1 700	1 700	1 700	1 700	1 700
	25	650	750	800	950	1 100	950	1 100	1 200	1 400	1 550	1 250	1 450	1 600	1 700	1 700	1 550	1 700	1 700	1 700	1 700
	30	550	600	700	800	900	800	900	1 000	1 150	1 300	1 050	1 200	1 350	1 550	1 700	1 300	1 500	1 700	1 700	1 700
	35	450	550	600	650	800	700	800	900	1 000	1 150	900	1 050	1 150	1 300	1 500	1 150	1 250	1 450	1 650	1 700
	40	400	450	550	600	700	600	700	800	900	1 000	800	900	1 050	1 150	1 300	1 000	1 100	1 300	1 450	1 650
	45	350	400	450	550	600	550	600	700	800	900	700	800	900	1 050	1 200	900	1 000	1 150	1 300	1 450
	50	350	350	450	500	550	500	550	650	700	800	650	750	850	950	1 050	800	900	1 050	1 150	1 350
	60	300	300	350	400	450	400	450	550	600	700	550	600	700	800	900	650	750	850	1 000	1 100
	70	250	250	300	350	400	350	400	450	500	650	450	550	600	700	750	600	650	750	850	950
	80	-	250	250	300	350	300	350	400	450	550	400	450	550	600	700	500	600	650	750	850
	90	-	-	250	250	300	300	300	350	400	500	350	400	500	550	600	450	500	600	650	750
	100	-	-	-	250	300	250	300	300	350	500	350	400	450	500	550	400	450	550	600	700
	110	-	-	-	250	250	250	250	300	350	450	300	350	400	450	500	350	450	500	550	600
	120	-	-	-	-	250	-	250	250	300	450	300	300	350	400	450	350	400	450	550	550
	130	-	-	-	-	250	-	-	250	300	400	250	300	350	350	450	300	350	400	500	550
	140	-	-	-	-	-	-	-	250	250	400	250	250	300	350	400	300	350	400	450	500
	150	-	-	-	-	-	-	-	-	250	350	250	250	300	350	350	300	300	350	400	450
	160	-	-	-	-	-	-	-	-	250	350	-	250	250	300	350	250	300	350	400	350
	170	-	-	-	-	-	-	-	-	-	350	-	250	250	300	350	250	300	300	350	300
	180	-	-	-	-	-	-	-	-	-	300	-	-	250	300	300	250	250	300	350	300
	190	-	-	-	-	-	-	-	-	-	-	-	-	250	250	300	250	250	300	300	250
	200	-	-	-	-	-	-	-	-	-	-	-	-	-	250	300	-	250	250	300	250
	210	-	-	-	-	-	-	-	-	-	-	-	-	-	250	250	-	250	250	250	200
	220	-	-	-	-	-	-	-	-	-	-	-	-	-	250	250	-	-	250	250	200

Maximum distances "D" (mm) with bars thick 10 mm - E fixed: 125 mm

Supports		373 24, 373 25								
Bars		1 bar per pole			2 bars per pole			3 bars per pole		
		80 x 10	100 x 10	120 x 10	80 x 10	100 x 10	120 x 10	80 x 10	100 x 10	120 x 10
Isc peak (Ipk in kÂ)	20	1 700	1 700	1 700	1 700	1 700	1 700	1 700	1 700	1 700
	25	1 600	1 700	1 700	1 700	1 700	1 700	1 700	1 700	1 700
	30	1 350	1 550	1 700	1 700	1 700	1 700	1 700	1 700	1 700
	35	1 150	1 300	1 450	1 700	1 700	1 700	1 700	1 700	1 700
	40	1 050	1 150	1 300	1 500	1 700	1 700	1 700	1 700	1 700
	45	900	1 050	1 150	1 350	1 550	1 700	1 700	1 700	1 700
	50	850	950	1 050	1 200	1 400	1 550	1 600	1 700	1 700
	60	700	800	850	1 000	1 150	1 300	1 350	1 550	1 700
	70	600	700	750	900	1 000	1 100	1 150	1 300	1 500
	80	550	600	650	750	900	1 000	1 000	1 150	1 300
	90	500	550	600	700	800	900	900	1 050	1 100
	100	450	500	550	600	700	800	850	900	950
	110	400	450	500	550	650	750	750	800	800
	120	350	400	450	550	600	650	700	750	750
	130	350	350	400	500	550	600	650	700	700
	140	300	350	400	450	500	600	600	650	650
	150	300	350	350	450	500	550	550	650	600
	160	250	300	350	400	450	500	550	600	500
	170	250	300	300	350	400	500	500	500	500
	180	250	300	300	350	400	450	500	450	450
	190	250	250	300	350	400	450	450	400	400
	200	200	250	300	300	350	400	450	400	400
	210	200	250	250	300	350	350	400	350	350
	220	-	250	250	300	350	300	350	300	300
	230	-	200	250	300	300	300	300	300	300
	240	-	-	200	250	300	250	300	250	250
	250	-	-	200	250	300	250	250	250	250

Additional support:

• Horizontal busbars(1)
Mounted in addition:
- to 2 fixed support in enclosure width 725 et 975
- to fixed support in cable sleeves width 475

• Vertical busbars
Mounted in addition to 3 fixed supports if necessary

(1) In case of flat bar mounting, use fixed support only

■ Insulating characteristics

EN 60947-1/IEC 60664-1 (degree of pollution : 3)

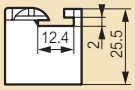
Cat.Nos	373 98	374 37	373 96	374 32	374 36	373 10/20	373 21	373 22/23	373 24/25
Ui (V)	500	500	690	1 000	1 000	1 000	1 000	1 000	1 000
Uimp (kV)	8	8	8	12	12	12	12	12	12

isolating supports for busbars (continued)

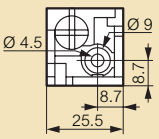
■ Dimensions

Cat.No 373 98

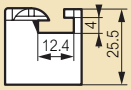
Side for 12 x 2 mm bar



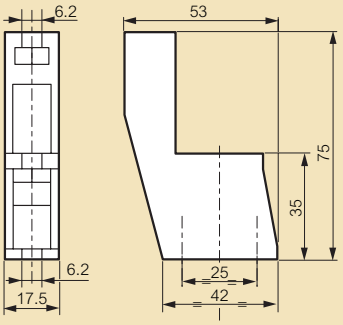
View from above



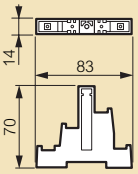
Side for 12 x 4 mm bar



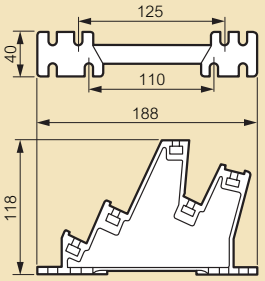
Cat.No 374 37



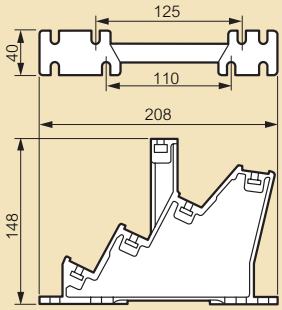
Cat.No 373 96



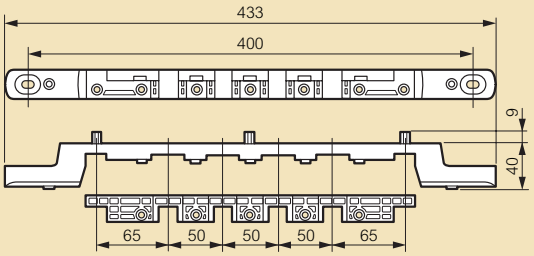
Cat.No 374 32



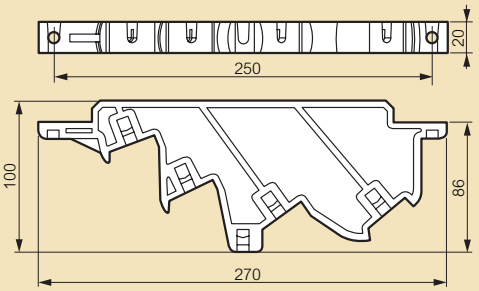
Cat.No 374 36



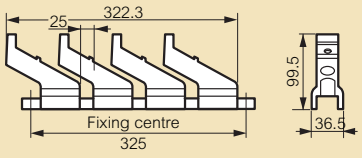
Cat.No 373 15



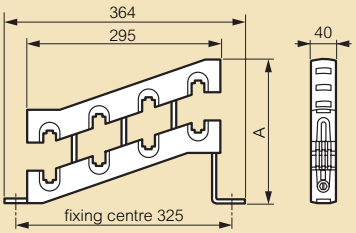
Cat.No 373 10



Cat.No 373 20

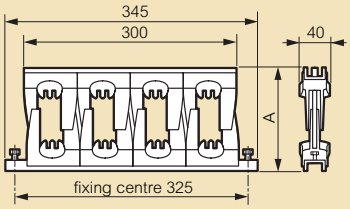


Cat.No 373 21

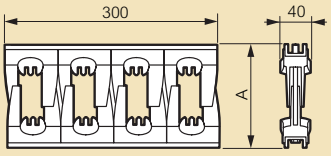


Copper bar					
Dim. (mm)	C-section bar	50 x 5	63 x 5	75 x 5	80 x 5
A	207	217	230	242	247

Cat.No 373 22 (fixed support)

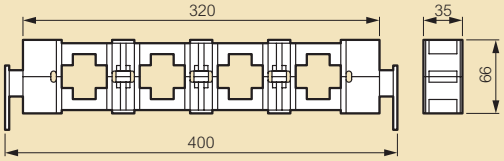


Cat.No 373 23 (additional support)

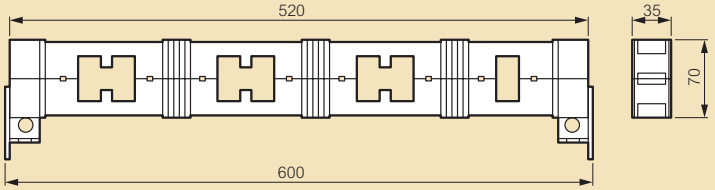


Copper bar					
Dim. (mm)	50 x 5	63 x 5	75 x 5	80 x 5	100x5
A	112	125	137	142	162

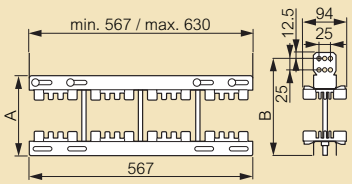
Cat.Nos 373 73/74



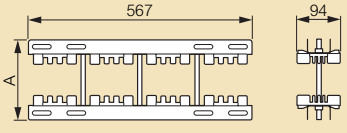
Cat.Nos 373 75/76



Cat.No 373 24 (fixed support)



Cat.No 373 25 (additional support)

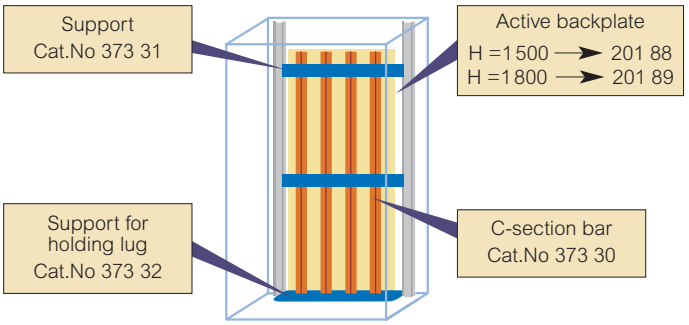


Bars thick 5 or 10 mm						
Cat.Nos	Dim (mm)	h75	h80	h100	h120	h125
373 24	A	151	156	176	196	201
	B	187,5	192,5	215,5	232,5	237,5
373 25	A	151	156	176	196	201

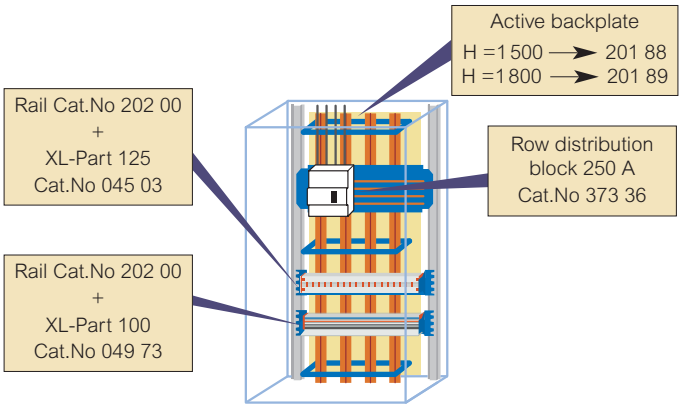
XL-Part : selecting your support

"OPTIMISED DISTRIBUTION" UP TO 400 A IN XL³ 400

XL-Part 400 active backplate

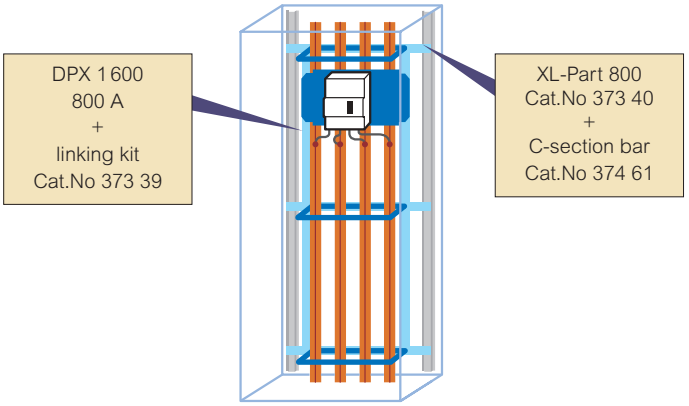


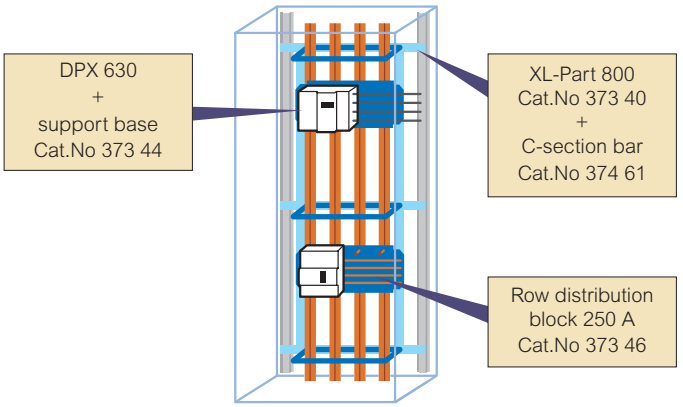
Row distribution up to 250 A



"OPTIMISED DISTRIBUTION" UP TO 800 A FOR FIXED DEVICES IN XL³ 800 AND XL³ 4000

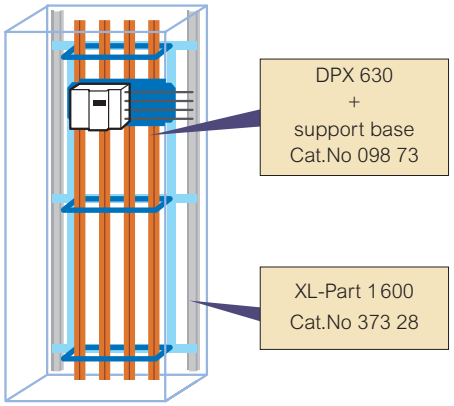
Column chassis XL-Part 800 + Row distribution block up to 630 A





"OPTIMISED DISTRIBUTION" UP TO 1 600 A FOR FIXED, DRAW-OUT OR PLUG-IN DEVICES IN XL³ 4000

Column chassis XL-Part 1 600 up to 1 600 A
Indirect power supply via device placed in head of column



Column chassis XL-Part 1 600 up to 1 600 A
Indirect power supply via a main busbar