XL³-N
250 & 630

SIMPLY, EFFICIENT AND SAFE







3 - PHASE DISTRIBUTION BOARDS
UP TO 630 A

CATALOGUE
PAGES
INSIDE

THE **GLOBAL SPECIALIST**
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

legrand®

XL³-N

Comprehensive and reliable range for successful site management

The XL³-N 250 and the new XL³-N 630 enclosures provide the convenience of a comprehensive range with a minimum of catalogue numbers to meet the efficiency needs of any professional. Ideal for residential, commercial and industrial environments, they are easy to use, combining easy assembly with great configuration flexibility thanks to their fixing kits and modular fittings.





TYPE TESTED
IEC 61439-2 STANDARD

TOTALLY RELIABLE,THEY ARE TESTED AND APPROVED FOR THEIR COMPLIANCE WITH IEC 61439-2 STANDARD

GENERAL CONTENT

Easy implementation..... p.2

Multiple configurations.....p.3

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2 COMPLETE RANGES WELL-ADAPTED TO YOUR REQUIREMENTS



NEW



XL³-N 250
Up to 8 sizes of enclosures
Surface and flush-mounting version
Metal, IP 41 with dedicated kit - IK 08 with door

XL³-N 630
Up to 9 sizes of enclosures
Surface mounting version
Metal IP42 with dedicated kit - IK 08 with door

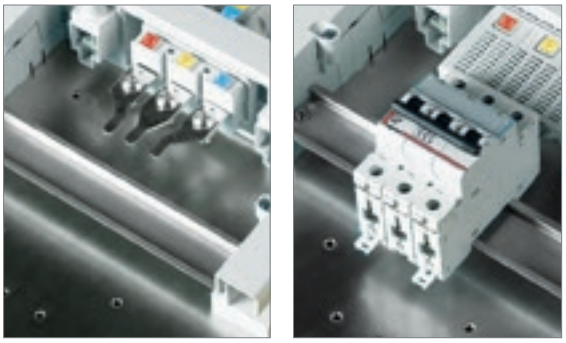
XL³-N 250 & 630

Easy implementation: of the circuit breakers and multiple configurations possible

The main circuit-breakers can be fixed on the busbar in only few quick and easy steps. Only few catalogue numbers of fixing kits for XL³-N 250 cabinets are enough to cover all the professional's needs in terms of circuit breakers: MCBs up to 63 A and MCCBs up to 250 A (DRX and DPX³ ranges).
The XL³-N 630 cabinets are supplied with the fixing kits, allowing installation of MCCBs up to 630 A according to each project requirements (DRX and DPX³ ranges).

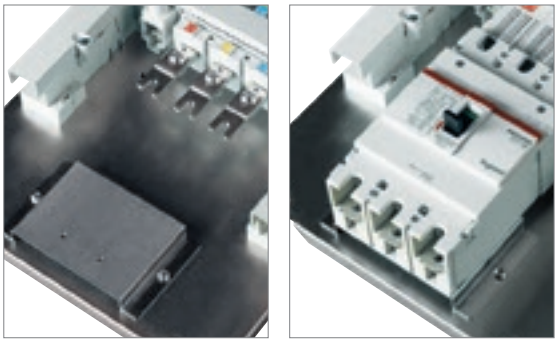
■ **XL³-N 250 :** INSTALLATION OF THE MAIN CIRCUIT BREAKER

ON A RAIL



1. Fitting the rail on the support frame plate.
2. Fitting the terminals at the end of the busbar.
3. Fixing the DIN-rail mounting circuit-breaker.

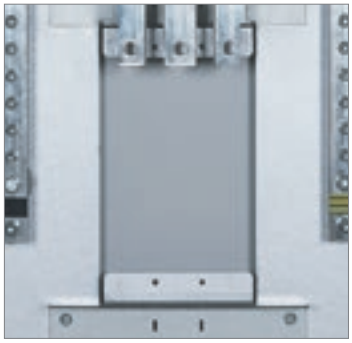
ON A PLATE



1. Fixing the plate on the base of the enclosure.
2. Fitting the terminals at the end of the busbar.
3. Fixing the DRX (or the DPX³) MCCB.

■ XL³-N 630 - INSTALLATION OF THE MAIN CIRCUIT BREAKER

ON A PLATE



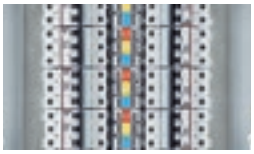
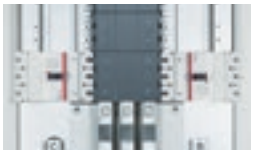
Pre-drilled fixing plate and tin plated connection kit supplied with the enclosure



XL³-N 630 equipped with a DPX³ 630 circuit breaker



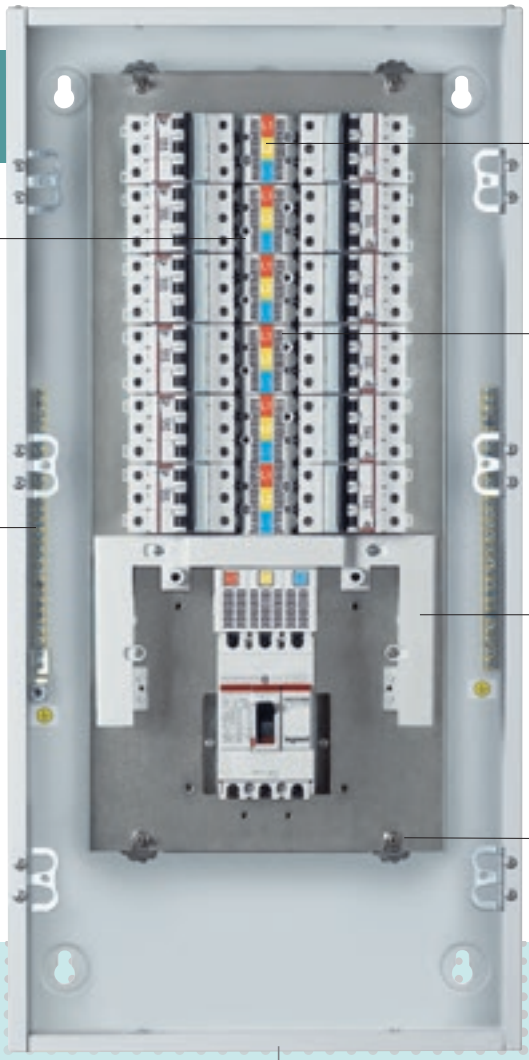
XL³-N 630 equipped with a DRX 630 circuit breaker

INCOMING TERMINALS		OUTGOING TERMINALS					
		DIN rail mounting MCBs		MCCBs			
		■ XL³-N 250		■ XL³-N 630 for DRX		■ XL³-N 630 for DPX³	
							
		 All Legrand MCBs up to 63 A, 1 module/pole from 1 P to 3 P	 Single pole RCBOs up to 45 A, AC type 30 mA	 DRX 125	 DRX 125 + DRX 250	 DPX³ 160	 DPX³ 160 + DPX³ 250
DIN rail mounting MCBs	 All Legrand MCBs up to 63 A, 1 module/pole from 1 P to 3 P	●	●				
MCCBs	 DRX 125	●	●				
	 DRX 250	●	●	●		●	
	 DRX 630			●	●	●	●
	 DPX³ 160	●	●				
	 DPX³ 250	●	●	●		●	
	 DPX³ 630			●	●	●	●

Increased security, ergonomics and adaptability: the busbar

Insulation, labelling, corrosion resistance, terminal shields... There's no disguising the busbar's qualities which can adapt to each configuration with its different existing sizes (125 A, 250 A, 400 A and 630 A).

XL³-N 250



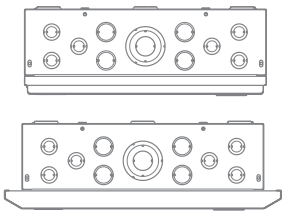
Labelling system of the terminals for phase identification

Fully isolated bus bar

Tin plated copper bus bar

Brass earth terminal on the side of the distribution box. Insulated earth available as an option.

Perfect safety: Protected neutral terminal bars on both sides

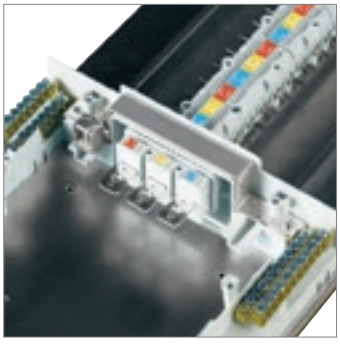


Adjustable pan assembly

Top and bottom cable entry plates with pre-cut knockouts. Take cable glands. Can be replaced with IP 41 kit (only at the top).

Example of a complete assembly in an enclosure with busbar

OTHER FEATURES



Neutral equally distributed on both sides of the distribution box. Terminal block holes equal to the number of outgoing devices



Holes for ventilation and new colored labelling system of the terminals for better phase identification.

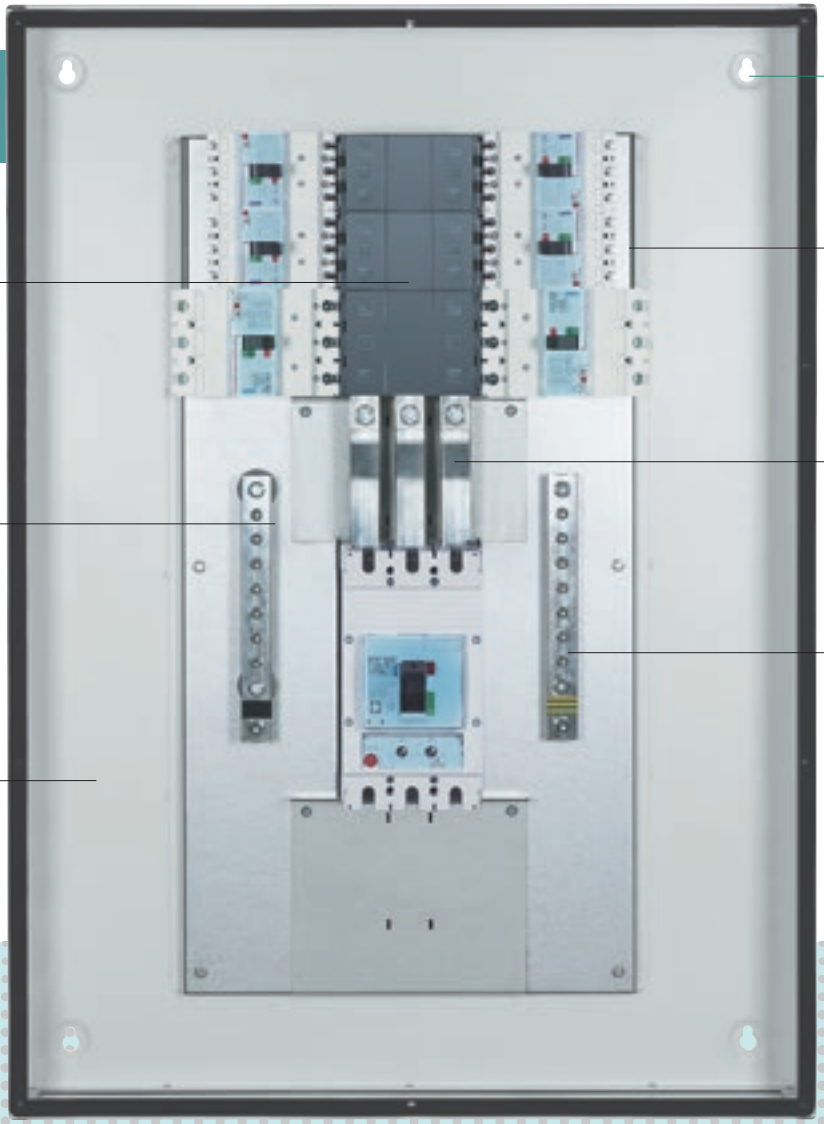


Terminal caps for the protection of the outputs not in use

ECO FRIENDLY

NO EXCESS COPPER CONSUMPTION
AS THE BUSBAR IS ALWAYS SIZED
ACCORDING TO THE MAX. RATING
OF THE MAIN CIRCUIT-BREAKER

NEW XL^3-N 630



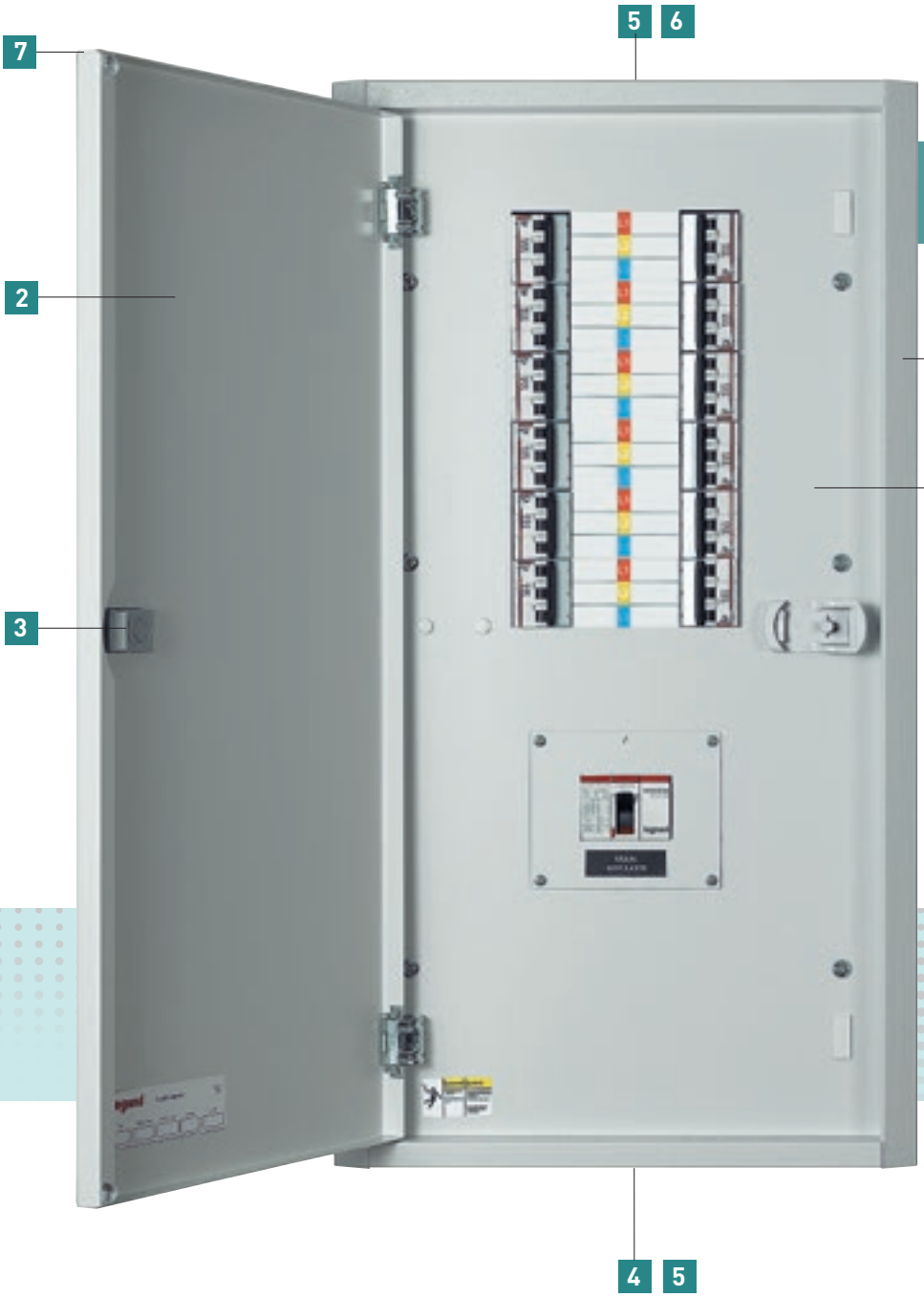
Example of a complete assembly in an enclosure with busbar



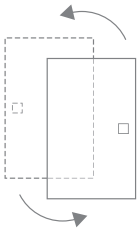
Extension box (optional) to be installed on XL^3-N 630 distribution boards (at the top or at the bottom) for extra wiring space or additional functions.

Aesthetics with a modern design

An impeccable finish for both XL³-N 250 and XL³-N 630 ranges of distribution boards. Made entirely of metal, they combine smooth corners with easier handling thanks to the reversible doors and easier cable access.



XL³-N 250



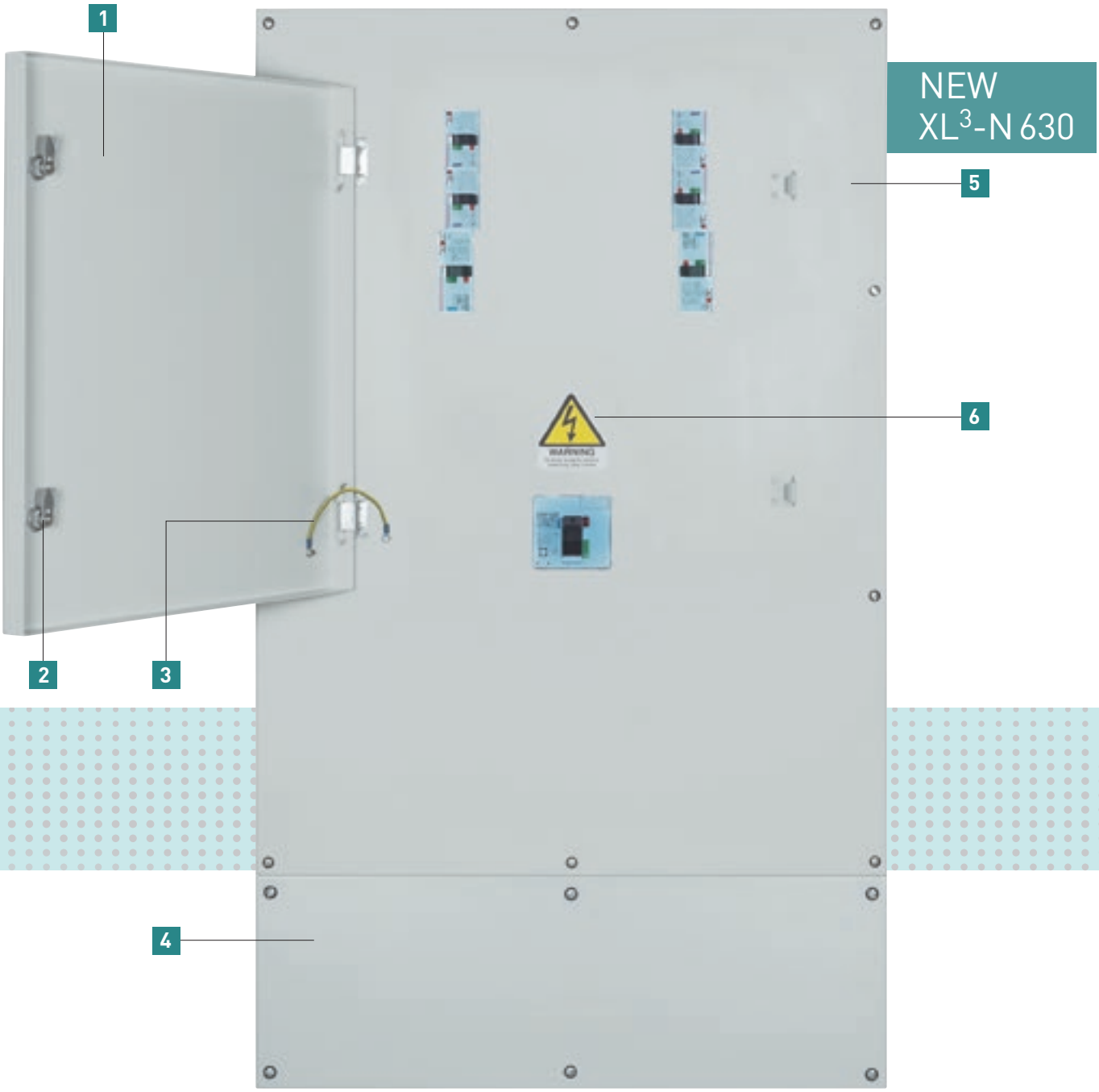
Reversible door



Surface-mounted version

FLUSH-MOUNTED VERSION

1) Finish frame
2) Reversible door
3) Integrated handle (can be equipped with keylock)
4) Insulated faceplate with 1 set of stickers for phase identification
5) Top and bottom removable cable entry plates
6) Pre-cut knockouts for cable entry
7) Rounded corners



SURFACE-MOUNTED VERSION

1) Metallic door
2) Integrated handle (can be eqiped with keylock)
3) Earth braid for electrical continuity
4) Extension box for extra wiring space or additional functions
5) Faceplate
6) «Warning» sticker for safety

XL³-N 250 3-phase distribution boards

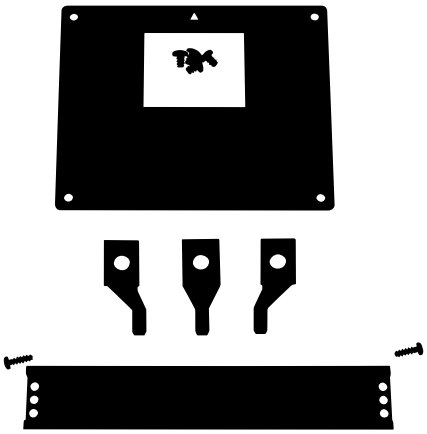
from 12 to 54 poles



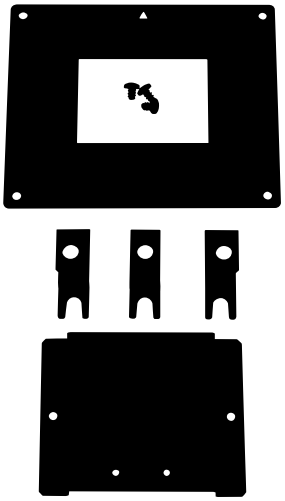
6 054 54



6 054 61



6 054 90



6 054 91

Technical characteristics **p. 9**

3-phase distribution boards for DIN-rail mounting circuit breakers; IP 40 (IP41 with the kit Cat.No 6 027 98) -IK 08 with door
Conform to standard IEC 61439-2; Type tested; tested and certified by third part laboratory
Maximum voltage 480 V~ ; Rated short-time withstand current (Icw): 17 kA 0.2 s; Rated peak withstand current (Ipk): 34 kA
Ambient temperature: 50 °C continuously
Zinc coated metal; Grey RAL 7035
Supplied with: surface or flush-mounting box, reversible door with handle, faceplate, fully isolated tin plated copper busbar
The number of holes of earth and neutral terminal blocks are equal to the number of outgoing devices

XL³-N 250 distribution boards

Pack	Cat.Nos		No of poles (outgoing terminals)	No of 3P ways
	Flush-mounting	Surface mounting		
Maximum rating 125 A				
To be equipped with mounting kit for main circuit breaker (DIN-rail mounting MCBs or DRX 100 or DPX³ 160 MCCBs)				
1	6 054 50	6 054 70	12	4
1	6 054 51	6 054 71	18	6
1	6 054 52	6 054 72	24	8
1	6 054 53	6 054 73	30	10
1	6 054 54	6 054 74	36	12
1	6 054 55	6 054 75	42	14
1	6 054 56	6 054 76	48	16
1	6 054 57	6 054 77	54	18
Maximum rating 250 A				
To be equipped with mounting kit for main circuit breaker (DRX 250, DPX³ 160 or DPX³ 250 MCCBs)				
1	6 054 58	6 054 78	18	6
1	6 054 59	6 054 79	24	8
1	6 054 60	6 054 80	30	10
1	6 054 61	6 054 81	36	12
1	6 054 62	6 054 82	42	14
1	6 054 63	6 054 83	48	16
1	6 054 64	6 054 84	54	18

Mounting kits for main circuit breakers

Pack	Cat.Nos	
		Consisting of fixing device (DIN rail or fixing plate), faceplate and connection terminals
		For XL³-N 250 distribution boards with 125 A busbar
1	6 054 90	For 3P, 1 module/pole, DIN-rail mounting MCBs
1	6 054 91	For DRX 125 3P MCCBs
1	6 054 96	For DPX³ 160 3P MCCBs
		For XL³-N 250 distribution boards with 250 A busbar
1	6 054 92	For DRX 250 3P MCCBs
1	6 054 98	For DPX³ 160 3P MCCBs
1	6 054 97	For DPX³ 250 3P MCCBs

Accessories

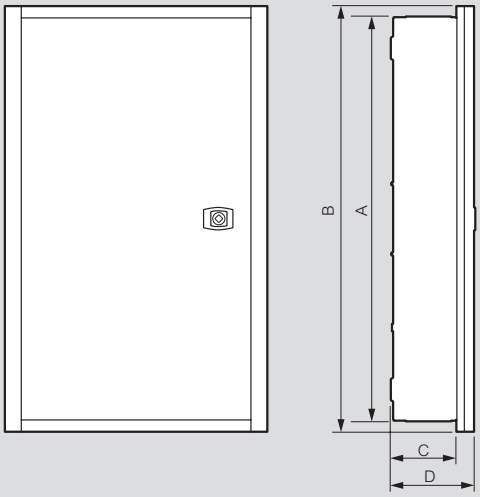
Pack	Cat.Nos	
		Fixing supports for terminal blocks
10	6 054 93	Kit consisting of 2 insulated fixing supports for terminal blocks for earth
		Insulating caps
10	6 054 94	Set of 20 insulating caps for protecting unused outgoing terminals of the busbar
		Blanking plate RAL 7035
		Separable into modules or 1/2 modules
10	0 016 65	18 modules
		Key lock
5	6 027 95	For XL³-N 250 distribution boards
		IP 41 kit
5	6 027 98	For XL³-N 250 distribution boards

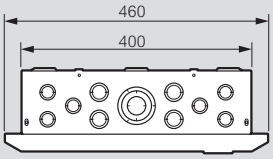
XL³-N 250 3-phase distribution boards

from 12 to 54 poles

Dimensions

Flush-mounting distribution boards



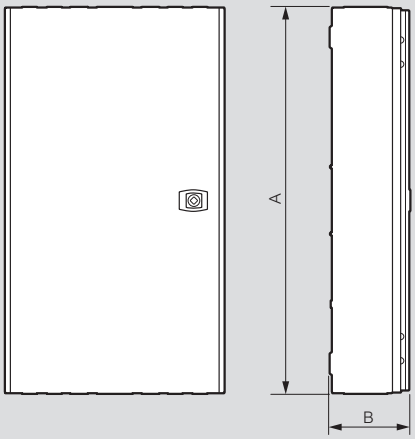


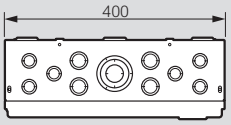
Cat.Nos	Number of poles	Dimensions (mm)			
		A	B	C	D
6 054 50	12	594	633	114	145
6 054 51/58	18	648	687	114	145
6 054 52/59	24	702	741	114	145
6 054 53/60	30	756	795	114	145
6 054 54/61	36	810	849	114	145
6 054 55/62	42	864	903	114	145
6 054 56/63	48	918	957	114	145
6 054 57/64	54	972	1011	114	145

Number of knockouts(1) (top and bottom)	Size of the knockouts		
	Ø18 / Ø27 mm	Ø27 / Ø32 mm	Ø32 / Ø52 / Ø65 mm
	6	4	1

1: For XL³-N 250 distribution boards only

Surface-mounting distribution boards





Cat.Nos	Number of poles	Dimensions (mm)	
		A	B
6 054 70	12	594	145
6 054 71/78	18	648	145
6 054 72/79	24	702	145
6 054 73/80	30	756	145
6 054 74/81	36	810	145
6 054 75/82	42	864	145
6 054 76/83	48	918	145
6 054 77/84	54	972	145

Number of knockouts(2) (top and bottom)	Size of the knockouts		
	Ø18 / Ø27 mm	Ø27 / Ø32 mm	Ø32 / Ø52 / Ø65 mm
	6	4	1

2: For XL³-N 250 distribution boards only

Cross-reference list old / new catalogue numbers

Distribution boards

Old Cat.Nos	New Cat.Nos	Number of poles
6 094 50	6 054 50	12
6 094 51	6 054 51	18
6 094 52	6 054 52	24
6 094 53	6 054 53	30
6 094 54	6 054 54	36
6 094 55	6 054 55	42
6 094 56	6 054 56	48
6 094 57	6 054 57	54
6 094 58	6 054 58	18
6 094 59	6 054 59	24
6 094 60	6 054 60	30

Old Cat.Nos	New Cat.Nos	Number of poles
6 094 61	6 054 61	36
6 094 62	6 054 62	42
6 094 63	6 054 63	48
6 094 64	6 054 64	54
6 094 70	6 054 70	12
6 094 71	6 054 71	18
6 094 72	6 054 72	24
6 094 73	6 054 73	30
6 094 74	6 054 74	36
6 094 75	6 054 75	42
6 094 76	6 054 76	48

Old Cat.Nos	New Cat.Nos	Number of poles
6 094 77	6 054 77	54
6 094 78	6 054 78	18
6 094 79	6 054 79	24
6 094 80	6 054 80	30
6 094 81	6 054 81	36
6 094 82	6 054 82	42
6 094 83	6 054 83	48
6 094 84	6 054 84	54

Fixing kits

Old Cat.Nos	New Cat.Nos	Main circuit breaker
6 024 90	6 054 90	MCB
6 024 91	6 054 91	DRX 125
6 024 92	6 054 92	DRX 250
6 024 96	6 054 96	DPX³ 160
6 024 97	6 054 97	DPX³ 250

Accessories

Old Cat.Nos	New Cat.Nos
6 024 93	6 054 93
6 024 94	6 054 94

XL³-N 630 3-phase distribution boards

from 12 to 48 poles



6 045 08



6 045 09

Technical characteristics **p. 11**

3-phase distribution boards for moulded case circuit breakers, DRX or DPX³
IP 40 (IP42 with the kit Cat.No 6 045 68) - IK 08 with door
Conform to standard IEC 61439-2. Type tested; tested and certified by third part laboratory
Maximum voltage 415 V~ ;
Rated peak current (Ipk): up to 110 kA
Ambient temperature: 50 °C continuously
Metal; Grey RAL 7035
Supplied with: surface mounting box, door with handle, faceplate, fully isolated tin plated copper busbar
The number of holes of earth and neutral terminal blocks are equal to the number of outgoing devices

Pack	Cat.Nos	Distribution boards for DRX MCCBs on outgoing terminals		Pack	Cat.Nos	Distribution boards for DPX³ MCCBs on outgoing terminals	
		Maximum rating 250 A Can be equipped with : - DPX³ 250 as main MCCB (incoming terminals) or DRX 250 with mounting kit Cat.No 6 045 50 (to be ordered separately) - DRX 125 on outgoing terminals Rated short-time withstand current (Icw): 36 kA 1 s				**Maximum rating 250 A** Can be equipped with : - DPX³ 250 as main MCCB (incoming terminals) or DRX 250 with mounting kit Cat.No 6 045 50 (to be ordered separately) - DPX³ 160 on outgoing terminals Rated short-time withstand current (Icw): 36 kA 1 s	
		No of poles (outgoing terminals)	No of 3P ways (outgoing)			No of poles (outgoing terminals)	No of 3P ways (outgoing)
1	6 045 00	12	4	1	6 045 17	12	4
1	6 045 01	18	6	1	6 045 18	18	6
1	6 045 02	24	8	1	6 045 19	24	8
1	6 045 03	36	12	1	6 045 20	36	12
1	6 045 04	48	16	1	6 045 21	48	16
		Maximum rating 400 A Can be equipped with : - DPX³ 630 or DRX 630 up to 400 A as main MCCB (incoming terminals) - DRX 125 or DRX 125 + DRX 250 (for the mixed versions) on outgoing terminals Rated short-time withstand current (Icw): 42 kA 1 s				**Maximum rating 400 A** Can be equipped with : - DPX³ 630 or DRX 630 up to 400 A as main MCCB (incoming terminals) - DPX³ 160 or DPX³ 160 + DPX³ 250 (for the mixed versions) on outgoing terminals Rated short-time withstand current (Icw): 42 kA 1 s	
1	6 045 05	18	6	1	6 045 22	18	6
1	6 045 06	24	8	1	6 045 23	24	8
1	6 045 07	36	12	1	6 045 24	36	12
1	6 045 08	48	16	1	6 045 25	48	16
1	6 045 09	18 mixed	4 x DRX 125 + 2 x DRX 250	1	6 045 26	18 mixed	4 x DPX³ 160 + 2 x DPX³ 250
1	6 045 10	24 mixed	6 x DRX 125 + 2 x DRX 250	1	6 045 27	24 mixed	6 x DPX³ 160 + 2 x DPX³ 250
		Maximum rating 630 A Can be equipped with : - DPX³ 630 or DRX 630 up to 630 A as main MCCB (incoming terminals) - DRX 125 or DRX 125 + DRX 250 (for the mixed versions) on outgoing terminals Rated short-time withstand current (Icw): 50 kA 1 s				**Maximum rating 630 A** Can be equipped with : - DPX³ 630 or DRX 630 up to 630 A as main MCCB (incoming terminals) - DPX³ 160 or DPX³ 160 + DPX³ 250 (for the mixed versions) on outgoing terminals Rated short-time withstand current (Icw): 50 kA 1 s	
1	6 045 11	18	6	1	6 045 28	18	6
1	6 045 12	24	8	1	6 045 29	24	8
1	6 045 13	36	12	1	6 045 30	36	12
1	6 045 14	48	16	1	6 045 31	48	16
1	6 045 15	18 mixed	4 x DRX 125 + 2 x DRX 250	1	6 045 32	18 mixed	4 x DPX³ 160 + 2 x DPX³ 250
1	6 045 16	24 mixed	6 x DRX 125 + 2 x DRX 250	1	6 045 33	24 mixed	6 x DPX³ 160 + 2 x DPX³ 250

XL³-N 630 3-phase distribution boards

from 12 to 54 poles (continued)



6 045 61

Technical characteristics **see opposite**

3-phase distribution boards for moulded case circuit breakers, DRX or DPX³; IP 40 (IP42 with the kit Cat.No 6 045 68) - IK 08 with door; Conform to standard IEC 61439-2.Type tested; tested and certified by third part laboratory; Maximum voltage 415 V~ ;
Rated peak withstand current (Ipk): up to 110 kA
Ambient temperature: 50 °C continuously; Metal; Grey RAL 7035;
Supplied with: surface mounting box, door with handle, faceplate, fully isolated tin plated copper busbar; The number of holes of earth and neutral terminal blocks are equal to the number of outgoing devices

Pack	Cat.Nos	Mounting kits
1	6 045 50	Allows the installation of a DRX 250 MCCB as main circuit breaker on the incoming terminals of the distribution boards up to 250 A

Extension boxes

To be installed on XL³-N 630 distribution boards (at the top or at the bottom) for extra wiring space or additional functions.

Pack	Cat.Nos	For XL³-N 630 width (mm)	For XL³-N 630 depth (mm)
1	6 045 60	710	175
1	6 045 61	710	200
1	6 045 62	810	200

Accessories

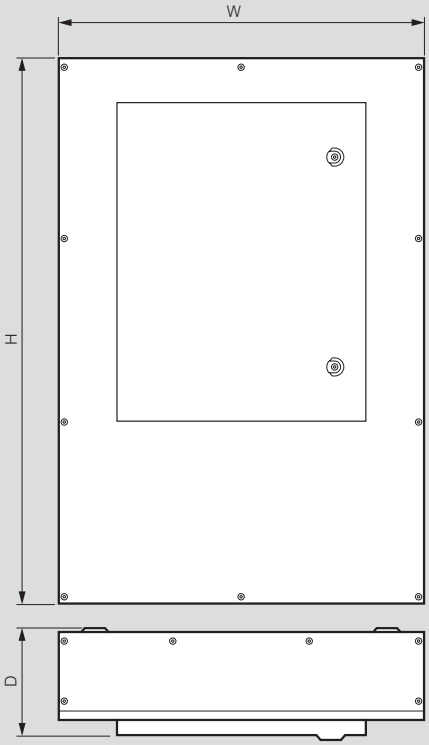
Pack	Cat.Nos	
1	6 045 65	Locking system for XL³-N 630 distribution boards
1	6 045 66	Protection for 125 A / 160 A busbar
1	6 045 67	Protection for 250 A busbar
1	6 045 68	IP 42 kit for XL³-N 630 distribution boards

XL³-N 630 3-phase distribution boards

technical characteristics

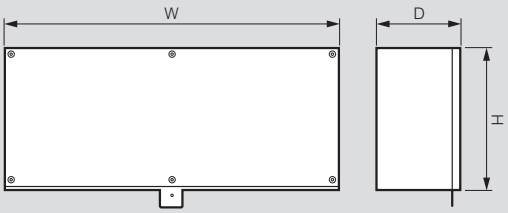
Dimensions

Distribution boards from 12 to 48 poles (outgoing terminals)



Cat.Nos	Dimensions (mm)			Cat.Nos	Dimensions (mm)		
	W	H	D		W	H	D
6 045 00	710	810	175	6 045 17	710	810	175
6 045 01	710	910	175	6 045 18	710	910	175
6 045 02	710	1010	175	6 045 19	710	1010	175
6 045 03	710	1110	175	6 045 20	710	1110	175
6 045 04	710	1310	175	6 045 21	710	1310	175
6 045 05	710	1110	200	6 045 22	710	1110	200
6 045 06	710	1210	200	6 045 23	710	1210	200
6 045 07	710	1310	200	6 045 24	710	1310	200
6 045 08	710	1510	200	6 045 25	710	1510	200
6 045 09	810	1110	200	6 045 26	810	1110	200
6 045 10	810	1210	200	6 045 27	810	1210	200
6 045 11	710	1210	200	6 045 28	710	1210	200
6 045 12	710	1310	200	6 045 29	710	1310	200
6 045 13	710	1410	200	6 045 30	710	1410	200
6 045 14	710	1610	200	6 045 31	710	1610	200
6 045 15	810	1210	200	6 045 32	810	1210	200
6 045 16	810	1310	200	6 045 33	810	1310	200

Extension boxes



Cat.Nos	Dimensions (mm)		
	W	D	H
6 045 60	710	135	200
6 045 61	710	160	200
6 045 62	810	160	200



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