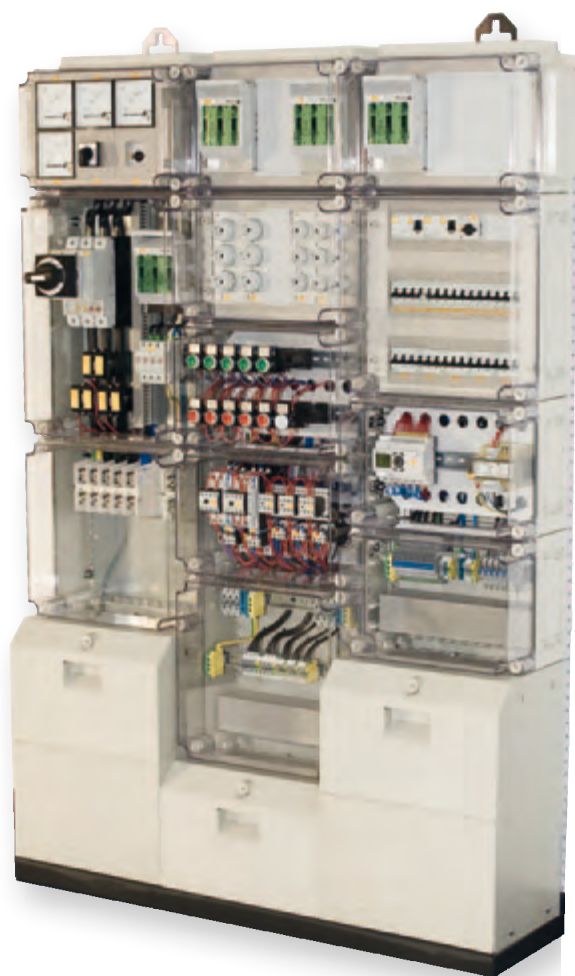




CI insulated enclosures

Exposed areas place high demands on housing systems for energy and control distribution, to guarantee operational safety.

Complete insulating encapsulation of all operating equipment up to 1600 A offers personnel and operational safety and protects against corrosion. The high protection type IP65 permits universal application. Transparent covers ease maintenance and visual checks.

totally insulated



Moeller
Systempartner
Schaltanlagen

Individual enclosures E - C/...

Integrated pressure relief when switching off short-circuits +++ Metric cable entry knockouts in all side walls +++ Faster installation of individual housing to distribution board enclosure
→ Page 20/6

Basic enclosures for NZM... circuit-breaker/N... - CCB... switch-disconnector

Ready to accept circuit-breakers +++ Circuit-breakers switchable from outside +++ Protects against sprayed water, dust, aggressive vapors → Page 20/34

CI distribution board terminal enclosure – K.../KST...

Connection terminals pre-mounted to mounting plate +++ Housing with sectional gland plate +++ Cable installs easily from the front → Page 20/38

Cover fasteners with cylinder lock – DVZ...- C/

Spring loaded enclosure bolts +++ Fitted by user for each CI cover +++ With closed condition display → Page 20/18

Enclosure cover for socket devices – D...- STV...

Ready for Mennekes socket devices +++ for CEE and Schuko sockets up to 125 A +++ Sealable cover fasteners → Page 20/19

Prefabricated energy and control distribution

Our system partner switchgear systems operate prefabricated energy and control distributions worldwide

www.moeller-systempartner-schaltanlagen.net

CI insulated enclosures, CI-K small enclosures

CI insulated enclosures

System overview

Technical overview – CI insulated enclosures	20/2
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Ordering

Basic enclosures

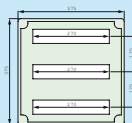
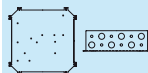
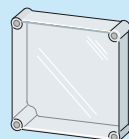
Individual enclosures	20/6
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Prepared enclosures

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distribution board assembly

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Engineering

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CI-K small enclosures

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Ordering

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Technical data

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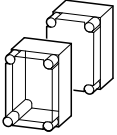
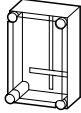
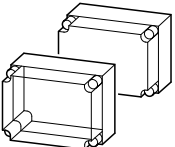
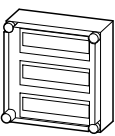
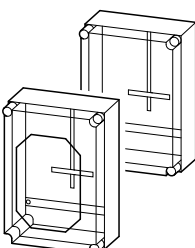
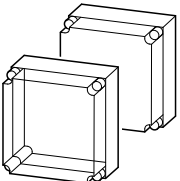
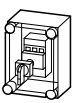
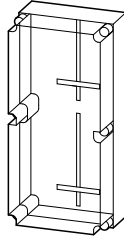
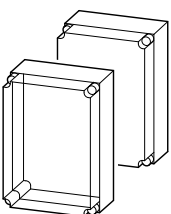
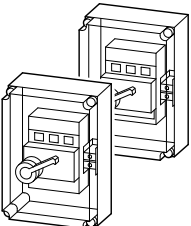
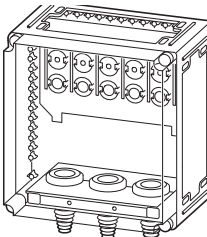
Dimensions

CI-K small enclosures	20/100
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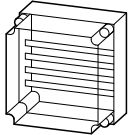
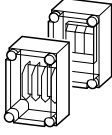
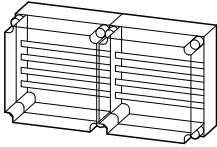
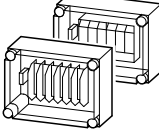
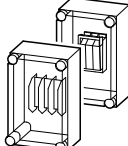
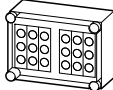
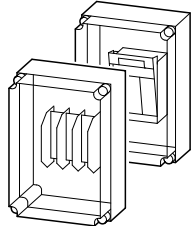
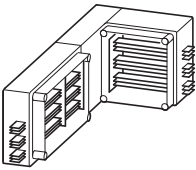
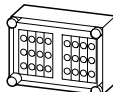
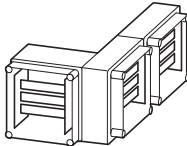
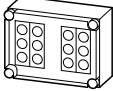
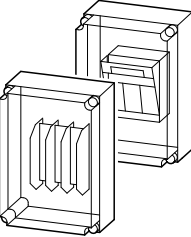
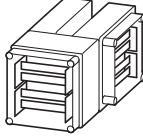
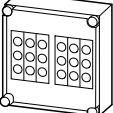
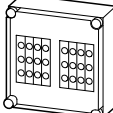
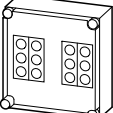
CI..., AE..., MCCB..., ZG...

Technical overview

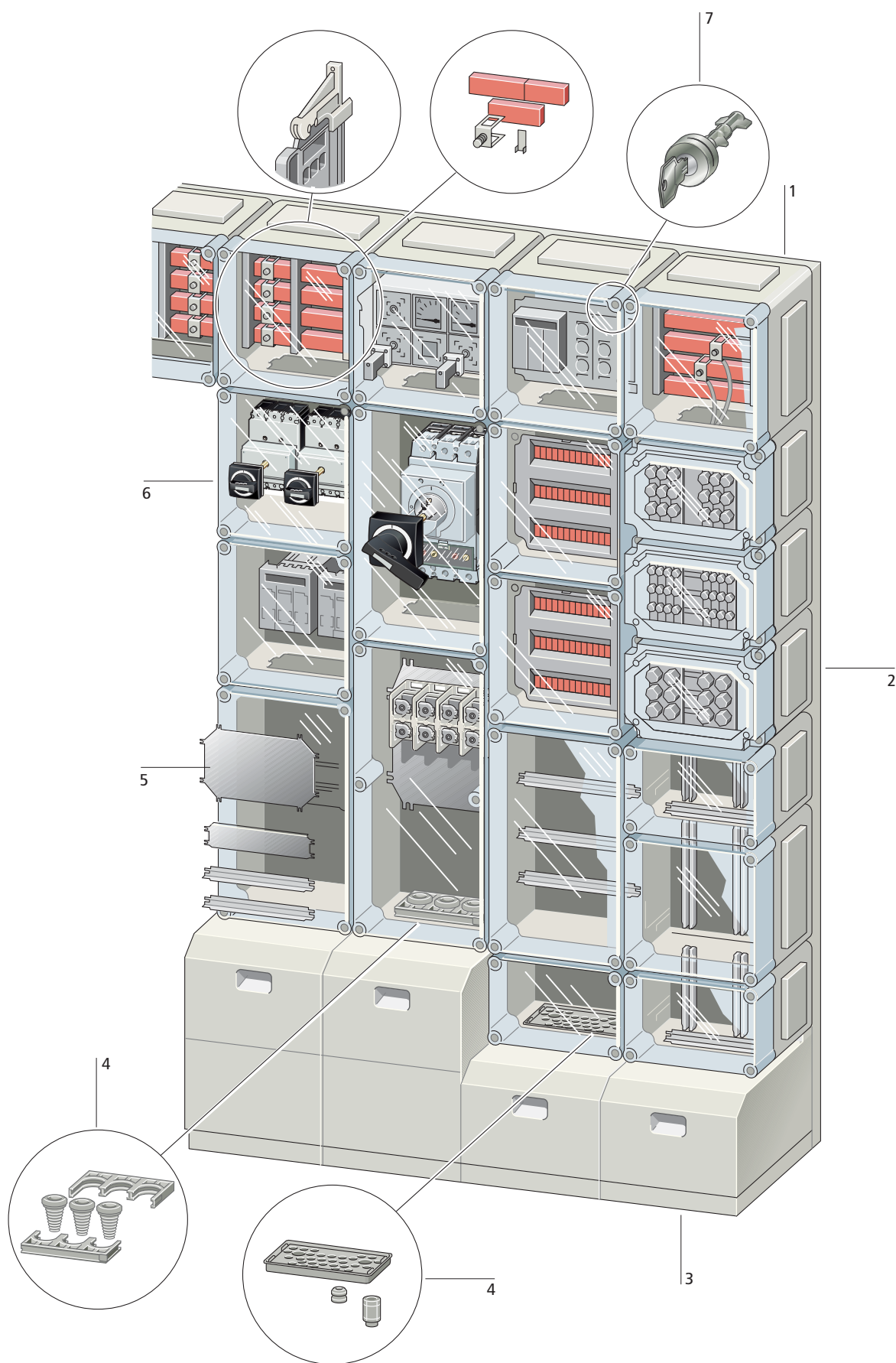
Basic enclosures		Prepared enclosures		Prepared enclosures	
CI... individual enclosure		MCB enclosures		Meter enclosures	
Distribution board enclosure with gland plates fitted KST...		- With PE/N terminals - For flush mounting devices with size 1 to DIN 43880 → Page 20/36			
CI: → Page 20/6		→ Page 20/31			
KST... CI: → Page 20/10		Enclosure MCCB...		Distribution board enclosure KST with terminals K...	
		- For circuit-breaker NZM...		→ Page 20/38	
		- Switch-disconnector N...			
		- 3- and 4 pole			
		→ Page 20/34			
	CI23.-125... Transparent cover Non-transparent cover		AE/IE... AV/123-125 AV/123-150 9 x 1-pole		ZG/143E-G-150 Transparent cover ZG/143E-G-200 Transparent cover
	CI23.-150... Transparent cover Non-transparent cover		AE43E...I AV/143-125 AV/143-200 27 x 1-pole		ZG/144E-150 Transparent cover ZG/144E-200 Transparent cover
	KST32-125 (-150) Transparent cover KST34-125 (-150, -200) Transparent cover		AE/144E... AV/144-125 AV/144-200 45 x 1-pole		ZG/145E-200-T Transparent door ZG/145E-200 Transparent cover
	CI43.-125... Transparent cover Non-transparent cover KST43-125 Transparent cover CI43.-150... Transparent cover Non-transparent cover KST43-150 Transparent cover CI43.-200... Transparent cover Non-transparent cover KST43-200 Transparent cover				ZG/148-200 Transparent cover
	CI44.-125... Transparent cover Non-transparent cover KST44-125 Transparent cover CI44.-150... Transparent cover Non-transparent cover KST44-150 Transparent cover CI44.-200... Transparent cover Non-transparent cover KST44-200 Transparent cover CI44.-250 Transparent cover KST44-250 Transparent cover		MCCB1-63/I23E-150 1 x 63 A		
	CI44.-250... Transparent cover Non-transparent cover KST44-250 Transparent cover CI45.-200 Transparent cover Non-transparent cover		MCCB1-125/I43E-150 1 x 125 A MCCB1-160/I43E-200 1 x 160 A MCCB2-200/I43E-200 1 x 200 A		
			MCCB2-250/I45E-200 1 x 250 A MCCB3-400/I45E-200 1 x 400 A		Enclosure depth 175 mm: K...KST32
	CI48-200... Transparent cover KST48-200 Transparent cover CI48-250... Transparent cover KST48-250 Transparent cover		MCCB3-630/I48/I43E-200 1 x 630 A		Enclosure depth 225 mm: K...KST34 K...KST43 K...KST44 K...KST48

SKA..., E...I(U), RSK..., RPEN..., RS..., GS...

Prepared enclosures	Enclosures with components fitted	Enclosures with components fitted
Busbar enclosures -250 A, 400 A, 630 A → Page 20/40	Fuse enclosure - With PE/N terminals - DII/E27, D02/E18, DIII/E33 → Page 20/50	Enclosures with LV h.b.c. fuse bases GS Enclosures with LV h.b.c. fuse switch-disconnectors GSTA... - With PE/N terminals - 5th terminal can be retrofitted NH00, NH1, NH2 GS, GSTA: → Page 20/54
Corner enclosures - E...I, in corner: → Page 20/48 - E...U, around corner: → Page 20/48		
Distribution boards back-to-back RSK..., RPEN...: → Page 20/49		

	SKA254-144 250 A, 4 pole SKA404-144 400 A, 4 pole SKA634-144 630 A, 4 pole SKA255-144 250 A, 5 pole SKA405-144 400 A, 5 pole SKA635-144 630 A, 5 pole		RS27/123E RS27/123-125 RS27/123-150 3 x 3 x 25 A DII/E27		GS00/123E 1 x 100 A, 1 X NH00 GSTA00/123E 1 x 100 A, 1 X NH00
	SKA254-2144 250 A, 4 pole SKA404-2144 400 A, 4 pole SKA634-2144 630 A, 4 pole SKA255-2144 250 A, 5 pole SKA405-2144 400 A, 5 pole SKA635-2144 630 A, 5 pole		RS18/123E RS18/123-125 RS18/123-150 4 x 3 x 63 A D02/E18		2GS00/143E 2 x 100 A, 2 X NH00 2GSTA00/143E 2 x 100 A, 2 X NH00
			RS33/123E RS33/123-125 RS33/123-150 2 x 3 x 63 A DIII/E33		GS00-160/143E-G 1 x 160 A, 1 X NH00 GSTA00-160/143E-G 1 x 160 A, 1 X NH00
			RS27/143E RS27/143-125 RS27/143-200 6 x 3 x 25 A DII/E27		GS1/145E 1 x 250 A, 1 X NH1 GSTA1/145E 1 x 250 A, 1 X NH1
	ESKI... 250-1600 A 3 main conductors 1 or 2 PE/N EPENI... 1000-1600 A 1 or 2 PE/N		RS18/143E RS18/143-125 RS18/143-200 8 x 3 x 63 A D02/E18		
	ESKU... 250-1600 A 3 main conductors 1 or 2 PE/N EPENU... 1000-1600 A 1 or 2 PE/N		RS33/143E RS33/143-125 RS33/143-200 4 x 3 x 63 A DIII/E33		GS2/145E 1 x 400 A, 1 X NH2 GSTA2/145E 1 x 400 A, 1 X NH2
	RSK... 250-1600 A 3 main conductors 1 or 2 PE/N		RS27/144E 6 x 3 x 25 A DII/E27		
			RS18/144E 8 x 3 x 63 A D02/E18		
			RS33/144E 4 x 3 x 63 A DIII/E33		





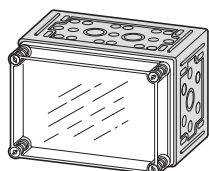
Basic enclosures Five sizes can be combined Width $\geq 187.5 \leq 375$ mm Height $\geq 250 \leq 750$ mm Depth $\geq 150 \leq 275$ mm Metric cable entry knockouts in the sides Cover fasteners with I/O status indication, sealable, pressure relief through built-in spring Cover transparent, with/without door Non-transparent, RAL 7032 → Page 20/17	Busbar systems 1 5-conductor systems Rated operational current up to 630 A Tinned copper busbars up to 630 A Busbar terminals → Page 20/40 Fixing 2 Support frames for wall-mounted and floor-standing distribution boards Wall fixing bracket Fixing straps → Page 20/64 Cable compartment 3 Plinths Cable compartment cladding → Page 20/68 → Page 20/70 Cable entries 4 Gland plates for large cross-sections Flanges Metric cable glands/cable grommets → Page 20/23 → Page 20/29 Terminals, copper band → Chapter 16, Accessories for control panel building	Mounting systems for basic enclosures 5 Sheet steel mounting plates and insulating material Pre-drilled mounting plate for surface mounting standard devices → Online catalogue Mounting rails and module mounting rails to IEC/EN 60715 Mounting depths 125 to 250 mm Meter equipment → Page 20/26 Enclosures with components fitted/ service distribution boards (TTA) 6 MCB enclosures Fuse enclosures → Page 20/52 Enclosures with LV h.b.c. fuse bases → Page 20/57 Enclosures with LV h.b.c. fuse switch-disconnectors → Page 20/62 CI enclosures for NZM1, 2, 3 circuit-breakers and N1, 2, 3, PN1, 2, 3 switch-disconnectors → Page 20/34 Meter enclosures → Page 20/37 Cover fasteners 7 Fixable or with cylinder lock → Page 20/22
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Enclosure styles

The enclosure cover is identical for all three construction types.

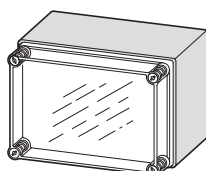
CI...E-... individual enclosure

- Metric cable entry knockouts in all sides
- All enclosure sides can also be knocked out
- Also for use in CI distribution board systems



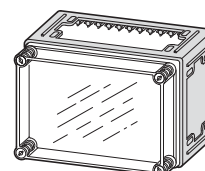
CI...X-... individual enclosure

- All four enclosure side plates walls smooth without knockouts

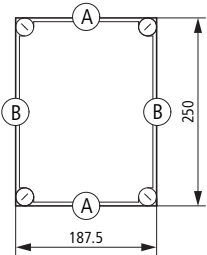
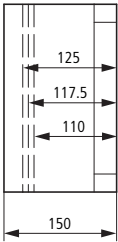
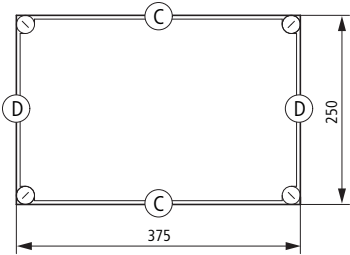
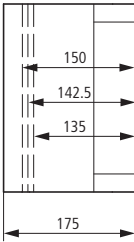
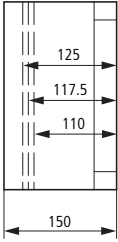
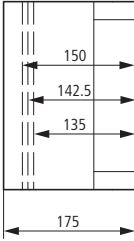
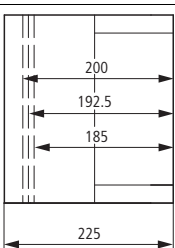


CI...-... panel enclosure

- Horizontal enclosure sides open
- Vertical enclosure sides with large knockouts
- Suitable for surface mounting CI distribution board systems



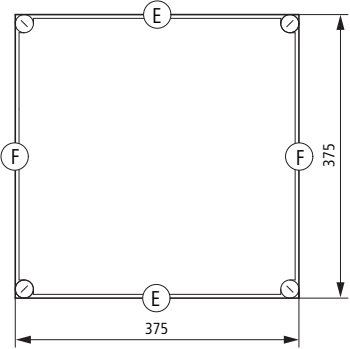
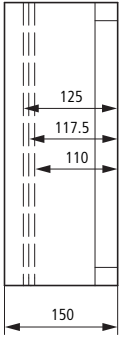
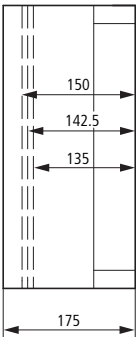
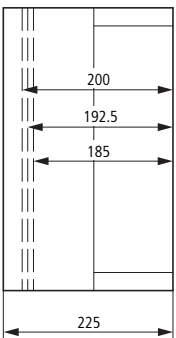
Ordering

Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth for mounting rail 15 mm height 4. Enclosure depth	Type cover / Type Enclosure base	Part no. Article no.	Price See price list	Std. pack
mm	mm				
Individual enclosures E and X					
- Protection type IP65 - Cover transparent or non-transparent (RAL 7032, pebble grey) - Fixing straps for wall fixing - Sealable cover fasteners					
E individual enclosures					
- With metric knockouts in all enclosure side plates; see illustrations A to F - Full-area knockouts in the sides - Can be converted to distribution board enclosure					
X individual enclosures					
Smooth side plates, without knockouts					
		Transparent /knockout	CI23E-125 019570		1 off
		Non-transparent /knockout	CI23E-125-RAL7032 090152		
		Transparent /plain	CI23X-125 010408		
		Transparent /knockout	CI23E-150 021943		
		Non-transparent /knockout	CI23E-150-RAL7032 090153		
		Transparent /plain	CI23X-150 015154		
		Transparent /knockout	CI43E-125 093133		1 off
		Non-transparent /knockout	CI43E-125-RAL7032 090154		
		Transparent /plain	CI43X-125 019900		
		Transparent /knockout	CI43E-150 095506		
		Non-transparent /knockout	CI43E-150-RAL7032 090155		
		Transparent /plain	CI43X-150 024646		
		Transparent /knockout	CI43E-200 097879		
		Non-transparent /knockout	CI43E-200-RAL7032 090156		
		Transparent /plain	CI43X-200 029392		

HPL20007EN

Individual enclosures

CI...E, CI...X

Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth for mounting rail 15 mm height 4. Enclosure depth	Type cover / Type Enclosure base	Part no. Article no.	Price See price list	Std. pack
mm	mm				
		Transparent /knockout	CI44E-125 031436		10ff
		Non-transparent /knockout	CI44E-125-RAL7032 090157		
		Transparent /plain	CI44X-125 031765		
		Transparent /knockout	CI44E-150 033809		
		Non-transparent /knockout	CI44E-150-RAL7032 090158		
		Transparent /plain	CI44X-150 034138		
		Transparent /knockout	CI44E-200 036182		
		transparent with transparent door /knockout	CI44E-200-T 090147		
		Non-transparent /knockout	CI44E-200-RAL7032 090159		
		Transparent /plain	CI44X-200 036511		

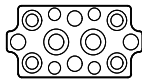
Notes

A



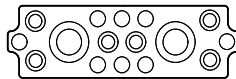
1 x M32/20
6 x M20
2 x M16

B



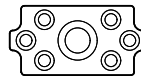
2 x M32/20
4 x M25/16
4 x M20
4 x M16

C



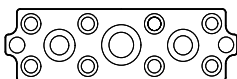
2 x M50/20
6 x M25/16
8 x M20

D



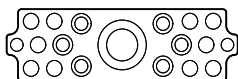
1 x M50/32
6 x M25/16

E



1 x M50/32
2 x M40/25
8 x M25/16
2 x M20

F



1 x M63/40
6 x M25/16
10 x M20
2 x M16



Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth for mounting rail 15 mm height 4. Enclosure depth	Type cover / Type Enclosure base	Part no. Article no.	Price See price list	Std. pack
mm	mm				

Individual enclosures E and X

- Protection type IP65
- Cover transparent or non-transparent (RAL 7032, pebble grey)
- Fixing straps for wall fixing
- Sealable cover fasteners

E individual enclosures

- With metric knockouts in all enclosure side plates; see illustrations A to F
- Full-area knockouts in the sides
- Can be converted to distribution board enclosure

X individual enclosures

- Smooth side plates, without knockouts

	Transparent /knockout	CI44E-250 038555		1 off
	Transparent /plain	CI44X-250 038884		
	Transparent /knockout	CI45E-200 001891		
	Non-transparent /knockout	CI45E-200-RAL7032 090160		
	Transparent /plain	CI45X-200 098469		

Notes

A 1 x M32/20 6 x M20 2 x M16	B 2 x M32/20 4 x M25/16 4 x M20 4 x M16	C 2 x M50/20 6 x M25/16 8 x M20	D 1 x M50/32 6 x M25/16
E 1 x M50/32 2 x M40/25 8 x M25/16 2 x M20	F 1 x M63/40 6 x M25/16 10 x M20 2 x M16		



Dimensions		Depth mm	Mounting depth mm	Part no. Article no.	Price See price list	Std. pack	
Width	Height						
mm	mm						
Individual enclosures							
- Protection type IP65 - Enclosure base RAL 7032 with smooth sides - Fixing straps for wall fixing							
Individual enclosures without/with door in cover							
Transparent cover, cover locks can be sealed							
187.5	250	150	125	CI23X-125-NA 002209		1 off  	
		175	150	CI23X-150-NA 002212			
375	250	150	125	CI43X-125-NA 002213			
		175	150	CI43X-150-NA 002232			
		225	200	CI43X-200-NA 002217			
		375	125	CI44X-125-NA 002218			
	375	175	150	CI44X-150-NA 002219			
		225	200	CI44X-200-NA 002220			
		275	250	CI44X-250-NA 002224			
		500	225	200	CI45X-200-NA 264023		
Individual enclosures with cover and doors							
- Transparent cover with door, cover fasteners can be sealed - Transparent door, with handle latches and 180° door opening angle - Door hinges can be subsequently changed to left, right, top or bottom.							
187.5	250	166	125	CI23X-125/T-NA 002210		1 off  	
		191	150	CI23X-150/T-NA 002211			
375	250	166	125	CI43X-125/T-NA 002214			
		191	150	CI43X-150/T-NA 002215			
		241	200	CI43X-200/T-NA 002216			
		375	200	CI44X-200/T-NA 002221			
	375	191	150	CI44X-150/T-NA 002222			
		291	200	CI44X-250/T-NA 002223			
		166	125	CI44X-125/T-NA 002233			

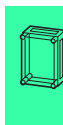
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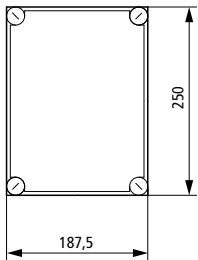
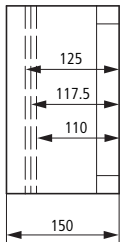
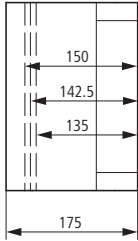
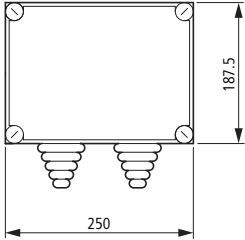
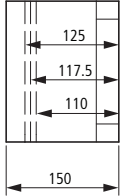
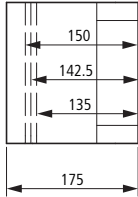
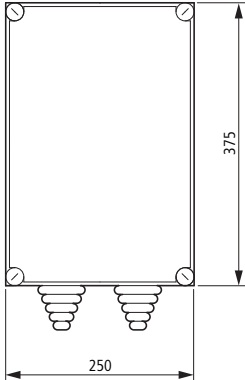
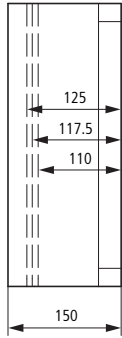
Information relevant for export to North America



Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Specially designed for NA
 Suitable for
 Degree of Protection

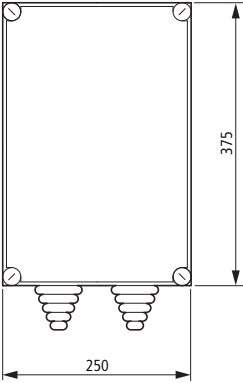
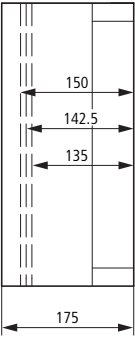
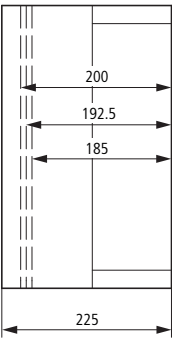
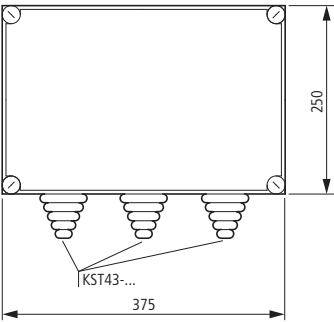
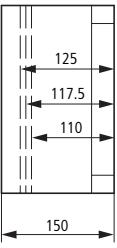
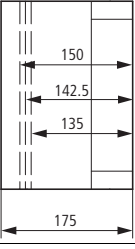
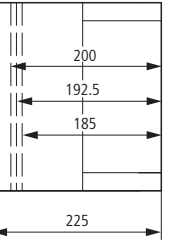
UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking
 E54120, E337418
 NITW
 27130
 3211-07
 UL Listed, CSA certified
 Yes
 Industrial Control Panels
 IEC: IP65; UL/CSA Types 1, 12, 13, 4X, indoor only



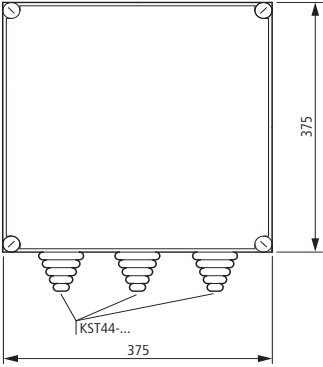
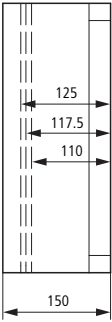
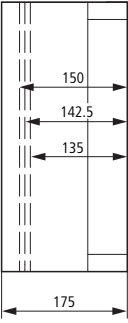
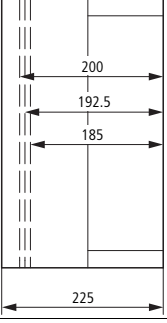
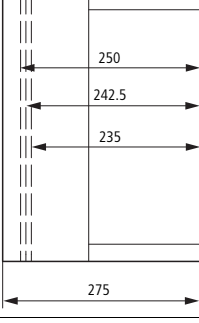
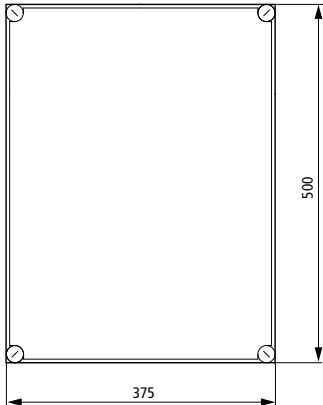
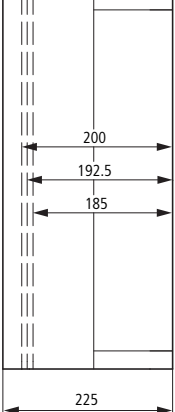
Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth for mounting rail 15 mm height 4. Enclosure depth	Cable entry outer diameter	Part no. Article no.	Price See price list	Std. pack
mm	mm	mm			
Distribution board with/without gland plates fitted					
Transparent cover, cover fasteners can be sealed.					
CI distribution board enclosure without cable gland plates					
- Protection type IP65 - Sides closed, but with full area knockout, open top and bottom					
KST distribution board enclosure with cable gland plates fitted					
- Protection type IP65 (from bottom) - Sides closed, but with full area knockout, open at top - Mounting of cable supports in the distribution board with wedge-lock fastener - Gland plate can be split, cables can be inserted from the front					
		—	CI23-125 098208		1 off
		—	CI23-150 012781		
		2 x 14 - 54	KST32-125 069774		
		2 x 14 - 54	KST32-150 072147		
		2 x 14 - 54	KST34-125 076893		

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CI..., KST...

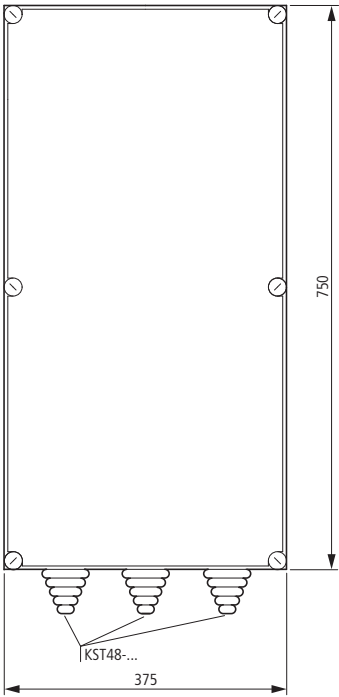
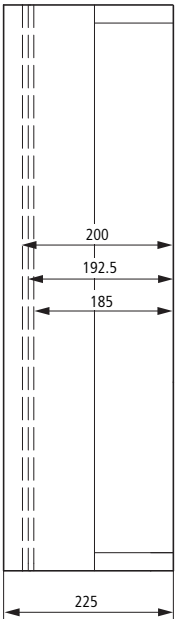
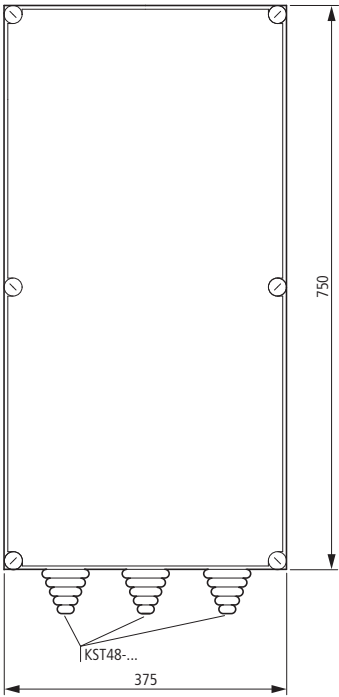
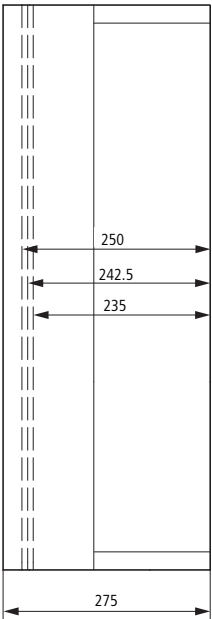
Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth for mounting rail 15 mm height 4. Enclosure depth	Cable entry outer diameter	Part no. Article no.	Price See price list	Std. pack
mm	mm	mm			
		2 x 14 - 54	KST43-150 074520		1 off
		2 x 14 - 54	KST43-200 079266		
		— 3 x 14 - 68	CI43-125 017527 KST43-125 081639		
		— 3 x 14 - 68	CI43-150 022273 KST43-150 084012		
		— 3 x 14 - 68	CI43-200 027019 KST43-200 086385		



Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth for mounting rail 15 mm height 4. Enclosure depth	Cable entry outer diameter	Part no. Article no.	Price See price list	Std. pack
mm	mm	mm			
		– 3 x 14 - 68	CI44-125 012452 KST44-125 088758		1 off
		– 3 x 14 - 68	CI44-150 017198 KST44-150 091131		
		– 3 x 14 - 68	CI44-200 021944 KST44-200 093504		
		– 3 x 14 - 68	CI44-250 026690 KST44-250 095877		
		–	CI45-200 001896		

HPL20013EN

CI..., KST...

Dimensions	Enclosure depth: Dimensions from top: 1. Mounting depth for mounting plate 2. Mounting depth for mounting rail 7.5 mm height 3. Enclosure depth for mounting rail 15 mm height 4. Enclosure depth	Cable entry outer diameter	Part no. Article no.	Price See price list	Std. pack
mm	mm	mm			
Distribution board with/without gland plates fitted					
Transparent cover, cover fasteners can be sealed.					
CI distribution board enclosure without cable gland plates					
- Protection type IP65 - Sides closed, but with full area knockout, open top and bottom					
KST distribution board enclosure with cable gland plates fitted					
- Protection type IP65 (from bottom) - Sides closed, but with full area knockout, open at top - Mounting of cable supports in the distribution board with wedge-lock fastener - Gland plate can be split, cables can be inserted from the front					
		—	CI48-200 078896		1 off
		3 x 14 - 68	KST48-200 098250		
		—	CI48-250 083642		
		3 x 14 - 68	KST48-250 010450		



Dimensions			Mounting depth mm	Part no. Article no.	Price See price list	Std. pack
Width mm	Height mm	Depth mm				
- Protection type IP65 - Base color RAL7032, fitted with removable smooth flanges on all four sides - Fixing straps for wall fixing						
Panel enclosures with cover and flanges						
Transparent cover, cover fasteners can be sealed.						
234	296	150	125	CI23-125-NA 002234		1 off  
234	296	175	150	CI23-150-NA 002237		
421	296	150	125	CI43-125-NA 002238		
421	296	175	150	CI43-150-NA 002241		
421	296	225	200	CI43-200-NA 002242		
421	421	150	125	CI44-125-NA 002245		
421	421	175	150	CI44-150-NA 002246		
421	421	225	200	CI44-200-NA 002249		
421	421	275	225	CI44-250-NA 002250		
421	546	225	200	CI45-200-NA 264024		
421	796	225	200	CI48-200-NA ¹⁾ 002253		
421	796	275	250	CI48-250-NA ¹⁾ 002254		
Panel enclosures with door and flanges ¹⁾						
- Transparent cover with door, cover fasteners can be sealed - Transparent door with quick-release fasteners and 180° door opening angle - Door hinges can be subsequently changed to left, right, top or bottom.						
234	296	166	125	CI23-125/T-NA 002235		1 off  
234	296	191	150	CI23-150/T-NA 002236		
421	296	166	125	CI43-125/T-NA 002239		
421	296	191	150	CI43-150/T-NA 002240		
421	296	241	200	CI43-200/T-NA 002243		
421	421	166	125	CI44-125/T-NA 002244		
421	421	191	150	CI44-150/T-NA 002247		
421	421	241	200	CI44-200/T-NA 002248		
421	421	291	250	CI44-250/T-NA 002251		
421	796	241	200	CI48-200/T-NA 002252		
421	796	291	250	CI48-250/T-NA 002255		
421	796	241	200	CI48-200/2T-NA 002256		
421	796	291	250	CI48-250/2T-NA 002257		

Notes

Information relevant for export to North America



Product Standards	UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking
UL File No.	E54120, E337418
UL CCN	NITW
CSA File No.	27130
CSA Class No.	3211-07
NA Certification	UL Listed, CSA certified
Specially designed for NA	Yes
Suitable for	Industrial Control Panels
Degree of Protection	IEC: IP65; UL/CSA Types 1, 12, 13, 4X, indoor only
	¹⁾ IEC: IP65; UL/CSA Types 1, 12, 13, indoor only



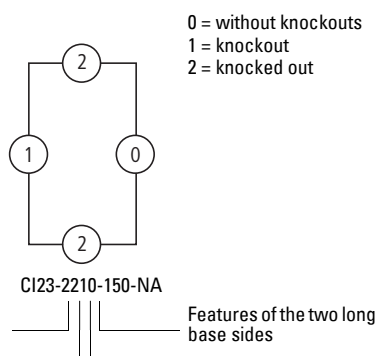
HPL20015EN

CI...-NA

Dimensions		Depth mm	Mounting depth mm	Base design	Part no. Article no.	Price See price list	Std. pack
Width	Height						
mm	mm						
Distribution board enclosures with cover and preassembled side walls							
- Protection type IP65 - Base RAL 7032, with different side plates on all four sides - Transparent cover, cover fasteners can be sealed.							
234	296	175	150	1 × without knockouts 1 × side plates knockout 2 × side plates with knockout	CI23-2210-150-NA 234059		1 off  
421	296	175	150	2 × without knockouts 2 × side plates with knockout	CI43-2200-150-NA 234060		
421	296	175	150	3 × without knockouts 1 × side plates with knockout	CI43-2000-150-NA 234061		
421	296	175	150	1 × without knockouts 3 × side plates with knockout	CI43-2022-150-NA 234062		
421	296	225	200	2 × without knockouts 2 × side plates with knockout	CI43-2200-200-NA 234063		
421	421	175	150	2 × without knockouts 2 × side plates with knockout	CI44-2200-150-NA 234064		
421	421	175	150	1 × without knockouts 3 × side plates with knockout	CI44-2220-150-NA 234065		
421	421	225	200	2 × without knockouts 2 × side plates with knockout	CI44-2200-200-NA 234066		
421	421	275	225	2 × without knockouts 2 × side plates with knockout	CI44-2200-250-NA 234067		

Notes

Ordering example:



Information relevant for export to North America



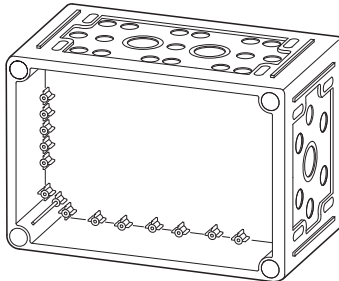
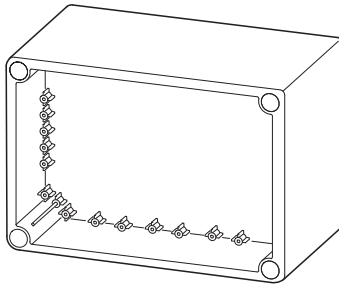
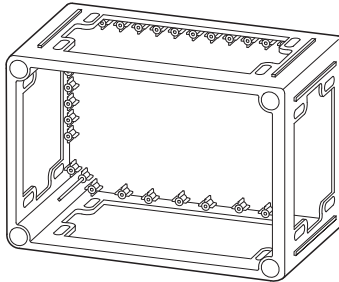
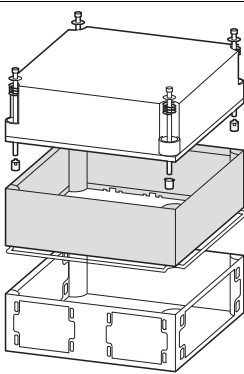
Product Standards	UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking
UL File No.	E54120, E337418
UL CCN	NITW
CSA File No.	27130
CSA Class No.	3211-07
NA Certification	UL Listed, CSA certified
Specially designed for NA	Yes
Suitable for	Industrial Control Panels
Degree of Protection	IEC: IP65; UL/CSA Types 1, 12, 13, 4X, indoor only



Enclosure bases

U-CI...

HPL20016EN

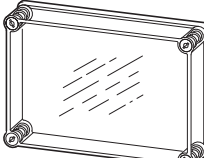
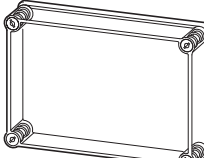
	Dimensions		Cable entry		Part no. Article no.	Price See price list	Std. pack
	Width	Height	Top and bottom	Sideways			
	mm	mm					
Bases for E-type individual enclosures							
• Metric cable entry knockouts in all sides • Full-area knockouts in the sides 	187.5	250	1 x M32/20 6 x M20 2 x M16	2 x M32/20 4 x M25/16 4 x M20 4 x M16	U-CI23E 038793		1 off
	375	250	2 x M50/32 6 x M25/16 8 x M20	1 x M50/32 6 x M25/16	U-CI43E 064896		
		375	1 x M50/32 2 x M40/25 8 x M25/16 2 x M20	1 x M63/40 6 x M25/16 10 x M20 2 x M16	U-CI44E 069642		
		500	1 x M50/32 2 x M40/25 8 x M25/16 2 x M20	On each 2: 1 x M50/32 6 x M25/16	U-CI45E 001893		
Bases for X type individual enclosures							
• Smooth side plates, without knockouts 	187.5	250	Drill as required	Drill as required	U-CI23X 057909		1 off
	375	250			U-CI43X 062655		
		375			U-CI44X 067401		
		500			U-CI45X 098470		
Bases for panel enclosures							
• Sides closed, but with full area knockout • Open tip and bottom 	187.5	250	Via FL2... flange	Via FL3... flange	U-CI23 060282		1 off
	375	250	Via FL4... flange	Via FL3... flange	U-CI43 065028		
		375	Via FL4... flange	Via FL4... flange	U-CI44 067269		
		500	Via FL4... flange	Via FL3... flange	U-CI45 001894		
		750	Via FL4... flange	Via FL4... flange	U-CI48 083880		
Notes Flange → Page 20/23							
Enclosure intermediate frame							
• For increased mounting depth • Smooth side plates, without knockouts • Color RAL 7032, pebble grey • Screw-fitting cover fastener • Equipment supplied: gasket, mounting accessories 	Dimensions		Mounting depth ¹⁾ mm	For use with	Part no. Article no.	Price See price list	Std. pack
	Width mm	Height mm					
	375	500	275	U-CI45... D200-CI45 CI45...	U-CI45-DR 110103		1 off

¹⁾ with cover D200-CI45

HPL20017EN

Enclosure cover

D...-CI...

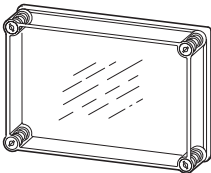
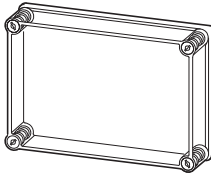
	Dimensions		Mounting depth mm	For use with	Part no. Article no.	Price See price list	Std. pack
	Width mm	Height mm					
Enclosure covers without openings							
- Sealable cover fasteners - Sealing							
Cover, transparent							
	187.5	250	125	U-CI23...	D125-CI23 014830		10 off
			150	U-CI23...	D150-CI23 024322		4 off
	375	250	125	U-CI43...	D125-CI43 017203		5 off
			150		D150-CI43 038560		2 off
			200		D200-CI43 074155		2 off
		375	125	U-CI44...	D125-CI44 019576		5 off
			150		D150-CI44 040933		2 off
			200		D200-CI44 076528		2 off
			250		D250-CI44 081274		1 off
		500	200	U-CI45...	D200-CI45 001895		2 off
		750	200	U-CI48...	D200-CI48 078901		2 off
			250	U-CI48...	D250-CI48 083647		1 off
Enclosure covers without openings							
Cover, non-transparent ; color RAL 7032, pebble grey							
	187.5	250	125	U-CI23...	D125-CI23-RAL7032 098471		10 off
			150	U-CI23...	D150-CI23-RAL7032 098472		4 off
	375	250	125	U-CI43...	D125-CI43-RAL7032 002843		5 off
			200		D200-CI43-RAL7032 005216		2 off
			150		D150-CI43-RAL7032 098473		2 off
		375	125	U-CI44...	D125-CI44-RAL7032 007589		5 off
			200		D200-CI44-RAL7032 009962		2 off
			150		D150-CI44-RAL7032 098474		2 off
			250		D250-CI44-RAL7032 098475		1 off
		500	200	U-CI45...	D200-CI45-RAL7032 098476		2 off
		750	200	U-CI48...	D200-CI48-RAL7032 098477		2 off
		750	250	U-CI48...	D250-CI48-RAL7032 098478		1 off



Enclosure cover

D...-CI...-DVZ

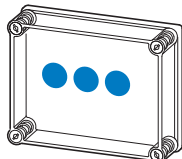
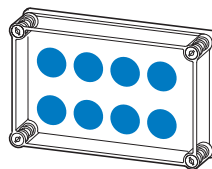
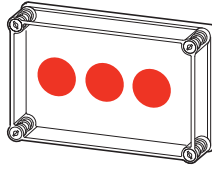
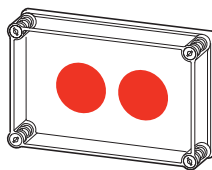
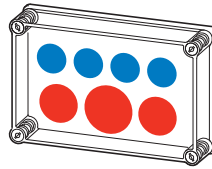
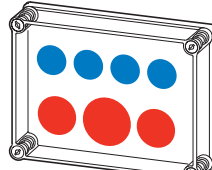
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	Dimensions		Mounting depth mm	For use with	Number Cylindrical locks	Part no. Article no.	Price See price list	Std. pack
	Width mm	Height mm						
Lockable enclosure covers without openings								
- Two or four lockable cover fasteners, diagonal with cylinder lock - Cylindrical locks, uniformly locking - Two diagonal lead-sealable cover locks. When also replacing all DV...-CI with DVZ...-CI, the sealing function is not available. - Equipment supplied: gasket, key								
Transparent cover								
	187.5	250	125	U-CI23...	2	D125-CI23-DVZ 138354		4 off
	187.5	250	150	U-CI23...	2	D150-CI23-DVZ 138355		4 off
	375	250	125	U-CI43...	2	D125-CI43-DVZ 138356		2 off
			150	U-CI43...	2	D150-CI43-DVZ 138357		
			200	U-CI43...	2	D200-CI43-DVZ 138358		
		375	125	U-CI44...	2	D125-CI44-DVZ 138359		
			150	U-CI44...	2	D150-CI44-DVZ 138520		
			200	U-CI44...	2	D200-CI44-DVZ 138521		
			250	U-CI44...	2	D250-CI44-DVZ 138522		
	500	200	U-CI45...	2	D200-CI45-DVZ 138523			
	750	200	U-CI48...	4	D200-CI48-DVZ 138524			
	750	250	U-CI48...	4	D250-CI48-DVZ 138525			
Non-transparent cover RAL7032								
	187.5	250	125	U-CI23...	2	D125-CI23-RAL7032-DVZ 138526		4 off
	187.5	250	150	U-CI23...	2	D150-CI23-RAL7032-DVZ 138527		4 off
	375	250	125	U-CI43...	2	D125-CI43-RAL7032-DVZ 138528		2 off
			150	U-CI43...	2	D150-CI43-RAL7032-DVZ 138529		
			200	U-CI43...	2	D200-CI43-RAL7032-DVZ 138530		
		375	125	U-CI44...	2	D125-CI44-RAL7032-DVZ 138531		
			150	U-CI44...	2	D150-CI44-RAL7032-DVZ 138532		
			200	U-CI44...	2	D200-CI44-RAL7032-DVZ 138533		
			250	U-CI44...	2	D250-CI44-RAL7032-DVZ 138534		
	500	200	U-CI45...	2	D200-CI45-RAL7032-DVZ 138535			
	750	200	U-CI48...	4	D200-CI48-RAL7032-DVZ 138536			
	750	250	U-CI48...	4	D250-CI48-RAL7032-DVZ 138537			

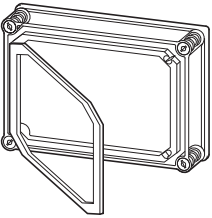
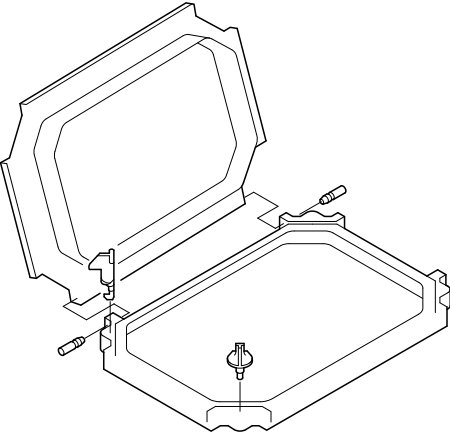
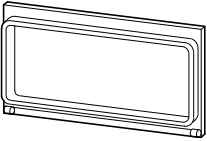
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Enclosure cover

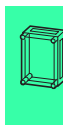
D...-CI...-RAL7032-STV...

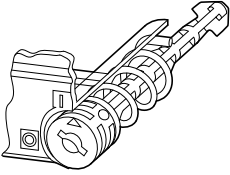
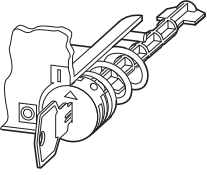
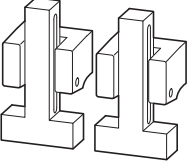
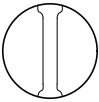
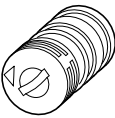
	For use with	Dimensions		Mounting depth mm	Plug-in units Number of openings	For use with	Part no. Article no.	Price See price list	Std. pack
		Width	Height						
		mm	mm						
Enclosure cover prepared for 16 to 125 A plug-in units • For individual enclosures or in distribution boards • For distribution board applications observe the characteristic data of the other apparatus. • Cover with knockouts for standardized 5-pole plug-in units • Plug-in units not included as standard • Order plug-in units separately, e.g. from Mennekes • Sealable cover fasteners • For retrofitting for various lockable covers, order also DVZ...-CI • Protection type IP44, gasket									
	Schuko socket 16 A	187.5	250	125	3	U-CI23...	D125-CI23-RAL7032-STV3/16A 138545		4 off
	Schuko socket 16 A	187.5	250	150	3	U-CI23...	D150-CI23-RAL7032-STV3/16A 138546		4 off
	Schuko socket 16 A	375	250	125	8	U-CI43...	D125-CI43-RAL7032-STV8/16A 138547		2 off
				150		U-CI43...	D150-CI43-RAL7032-STV8/16A 138548		2 off
				200		U-CI43...	D200-CI43-RAL7032-STV8/16A 138549		2 off
	CEE 16 A	375	250	125	3	U-CI43...	D125-CI43-RAL7032-STV3/16A 138550		2 off
				150		U-CI43...	D150-CI43-RAL7032-STV3/16A 138551		2 off
				200		U-CI43...	D200-CI43-RAL7032-STV3/16A 138552		2 off
	CEE 32 A			125		U-CI43...	D125-CI43-RAL7032-STV3/32A 138553		2 off
				150		U-CI43...	D150-CI43-RAL7032-STV3/32A 138554		2 off
				200		U-CI43...	D200-CI43-RAL7032-STV3/32A 138555		2 off
	CEE 63 A			125		U-CI43...	D125-CI43-RAL7032-STV3/63A 138556		2 off
				150		U-CI43...	D150-CI43-RAL7032-STV3/63A 138557		2 off
				200		U-CI43...	D200-CI43-RAL7032-STV3/63A 138558		2 off
	CEE 125 A	375	250	125	2	U-CI43...	D125-CI43-RAL7032-STV2/125A 138559		2 off
				150		U-CI43...	D150-CI43-RAL7032-STV2/125A 138560		2 off
				200		U-CI43...	D200-CI43-RAL7032-STV2/125A 138561		2 off
	4 x Schuko sockets 16 A 2 x CEE 16 A 1 CEE 32 A	375	250	125	7	U-CI43...	D125-CI43-RAL7032-STV7/16-32A		2 off
				150		U-CI43...	D150-CI43-RAL7032-STV7/16-32A		2 off
				200		U-CI43...	D200-CI43-RAL7032-STV7/16-32A 138564		2 off
	4 x Schuko sockets 16 A 2 x CEE 16 A 1 CEE 32 A	375	375	125	7	U-CI44...	D125-CI44-RAL7032-STV7/16-32A		2 off
				150		U-CI44...	D150-CI44-RAL7032-STV7/16-32A		2 off
				200		U-CI44...	D200-CI44-RAL7032-STV7/16-32A		2 off
				250		U-CI44...	D250-CI44-RAL7032-STV7/16-32A		2 off



	Mounting depth mm	For use with	Part no. Article no.	Price See price list	Std. pack
Enclosure covers with door					
- Protection type IP65 - Transparent door, with quick-release fasteners and 180° door opening angle - Door hinges can be subsequently changed to left, right, top or bottom.					
	125	U-CI23...	D125-CI23/T 072476		10 off
	150	U-CI23...	D150-CI23/T 074849		4 off
	125	U-CI43...	D125-CI43/T 077222		2 off
	150	U-CI43...	D150-CI43/T 079595		2 off
	200	U-CI43...	D200-CI43/T 081968		2 off
	125	U-CI44...	D125-CI44/T 084341		2 off
	150	U-CI44...	D150-CI44/T 086714		2 off
	200	U-CI44...	D200-CI44/T 089087		2 off
	250	U-CI44...	D250-CI44/T 091460		1 off
		For use with	Part no. Article no.	Price See price list	Std. pack
Doors					
- Protection type IP65 - Door opening angle to 180° - Door hinges can be subsequently changed to right, left, top or bottom. - Adhesive film for marking the cutout - Fixing screws - Transparent					
		CI23..., D...-CI23	T-CI23 093833		2 off
		CI43..., D...-CI43 CI45..., D...-CI45	T-CI43 096206		1 off
		CI44..., D...-CI44 CI48..., D...-CI48	T-CI44 098579		
Hinged flaps					
- For positioning on cover, change as required - Protection type IP55 - Opening angle to 180° - Hinge on one side cannot be changed - Transparent					
		D...-CI... 145 x 80 mm	K-A 043372		
		D...-CI... 185 x 90 mm	KG-A 055244		

For use with	Mounting depth mm	Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America	
				 		
Cover						
• Transparent • Sealable cover fasteners • Gaskets						
U-CI23...	125	D125-CI23-NA 014286		10 off  	Product Standards UL File No. UL CCN CSA File No. CSA Class No. NA Certification Specially designed for NA Suitable for UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking E54120, E337418 NITW 27130 3211-07 UL Listed, CSA certified Yes Refer to main component information	
	150	D150-CI23-NA 014334		4 off  		
U-CI43...	125	D125-CI43-NA 014433		5 off  		
	150	D150-CI43-NA 014480		2 off  		
	200	D200-CI43-NA 014771		2 off  		
U-CI44...	125	D125-CI44-NA 014838		5 off  		
	150	D150-CI44-NA 010937		2 off  		
	200	D200-CI44-NA 010985		2 off  		
	250	D250-CI44-NA 011049		1 off  		
U-CI45...	200	D200-CI45-NA 264022		2 off  		
U-CI48...	200	D200-CI48-NA 011878		1 off  		
	250	D250-CI48-NA 011906		1 off  		
Covers with door						
• Transparent • Protection type IP65						
U-CI23...	125	D125-CI23/T-NA 012038		1 off  	Product Standards UL File No. UL CCN CSA File No. CSA Class No. NA Certification Specially designed for NA Suitable for UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking E54120, E337418 NITW 27130 3211-07 UL Listed, CSA certified Yes Refer to main component information	
	150	D150-CI23/T-NA 012097				
U-CI43...	125	D125-CI43/T-NA 012115				
	150	D150-CI43/T-NA 012147				
	200	D200-CI43/T-NA 012195				
U-CI44...	125	D125-CI44/T-NA 012335				
	150	D150-CI44/T-NA 012357				
	200	D200-CI44/T-NA 012780				
	250	D250-CI44/T-NA 012809				
U-CI48...	200	D200-CI48/T-NA 012842				
	250	D250-CI48/T-NA 012863				
	200	D200-CI48/2T-NA 012392				
	250	D250-CI48/2T-NA 012411				



For use with		Part no. Article no.	Price See price list	Std. pack
Cover fasteners for CI enclosures				
	CI23: 4 off CI43: 4 off CI44: 4 off	DV125-CI 001923		10 off
	CI23: 4 off CI43: 4 off CI44: 4 off CI45: 4 off CI48: 6 off	DV150-250-CI 001924		10 off
Cover fasteners with cylinder lock for CI enclosures¹⁾				
- Lockable cover fasteners with cylinder lock, uniform locking - Key				
	CI23... max. 4 off CI43... max. 4 off CI44... max. 4 off	DVZ125-CI 133100		2 off
	CI23... max. 4 off CI43... max. 4 off CI44... max. 4 off CI45... max. 4 off CI48... max. 6 off	DVZ150-250-CI 133101		2 off
Set of cover hinges				
- For CI...E, CI...X individual enclosures - For CI... panel enclosure on the sides if a flange is not installed				
	CI23: 1 set CI43: 1 set CI44: 1 set CI45: 1 set CI48: 1 set Each set consists of 2 hinges.	DSCH-CI 034224		5 off 
Handgrip				
- Quick-release fastener for opening enclosures manually - Higher cover in conjunction with the extension for the handle				
	CI23(...)-125, 150: 4 off CI43(...)-125, 150: 4 off CI44(...)-125, 150: 4 off	HG-CI 046382		20 off
Extension for handle				
Can be fitted to cover				
	CI43-200/(D200-CI43): 4 off CI44-200/(D200-CI44): 4 off CI48-200/(D200-CI48): 6 off	VHG50-CI 044880		8 off
Sealing kit				
At the top edge of cover with D200-...				
	Use one set diagonally per enclosure. One set consists of 2 sealable locks.	PLV200-CI 044881		5 off

Notes¹⁾ For sealing, use at least one cover fastener DV125-CI or DV150-250-CI.**Information relevant for export to North America****Product Standards**

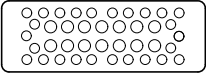
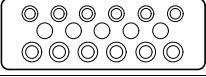
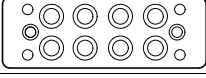
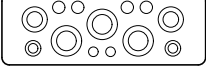
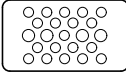
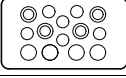
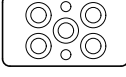
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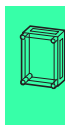
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Industrial Control Panels
IEC: IP65; UL/CSA Types 1, 12, 13, 4X,
indoor only

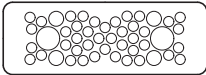
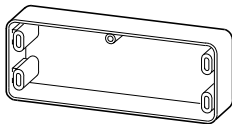
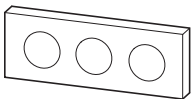
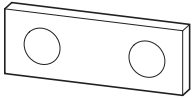
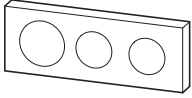
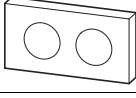


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FL...

Cable entry		Part no. Article no.	Price See price list	Std. pack
Flanges				
• Captive, sponge-rubber gaskets • Quick mounting using wedge lock fasteners (included as standard)				
For enclosure dimension 375 mm				
	Drill as required	FL4-X 024355		10 off
	26 x M16, 14 x M20	FL4-2 014863		
	5 x M25, 6 x M25/16, 6 x M32/20	FL4-3 017236		
	4 x M16, 2 x M25/16, 8 x M40/25	FL4-4 019609		
	2 x M16, 4 x M20, 2 x M25/16, 2 x M40/25, 3 x M50/32	FL4-5 021982		
For enclosure dimension 250 mm				
	Drill as required	FL3-X 093171		10 off
	18 x M16, 4 x M20	FL3-1 088425		
	6 x M20, 4 x M25, 4 x M25/16	FL3-2 090798		
	1 x M16, 5 x M40/25	FL3-3 022644		
For enclosure dimension 187.5 mm				
	Drill as required	FL2-X 086052		10 off
	10 x M16, 3 x M20	FL2-2 017898		
	6 x M20, 2 x M25/16	FL2-3 020271		
For enclosure dimension 125 mm				
	Drill as required	FL1-X 078933		10 off



	External diameter of cable mm	For use with		Part no. Article no.	Price See price list	Std. pack
Sponge-rubber flange IP54						
- Protection type IP54 - For enclosure dimension 375 mm						
	42 x 10 - 13 4 x 15 - 19 2 x 20 - 30	NYY, NYM 3 x 1.5 mm ² - 5 x 2.5 mm ² NYY, NYM 4 x 4 mm ² - 5 x 10 mm ² NYY, NYM 4 x 10 mm ² - 4 x 50 mm ²		FL4-D 044879		10 off
Spacers						
To enlarge the connection compartment by 25 mm						
	—	For fitting to enclosure side, 250 mm for FL3-... flange		ZRF3 067734		2 off
	—	For fitting to enclosure side, 375 mm for FL4-... flange		ZRF4 070107		2 off
	For use with enclosure size	Plug-in units Number of openings	For use with	Part no. Article no.	Price See price list	Std. pack
Flanges prepared for Schuko or high-voltage sockets up to 32 A						
- Flange non-transparent RAL7032 - Captive, sponge-rubber gaskets - Quick mounting using wedge lock fasteners (included as standard) - Flanges milled out and predrilled for standardized 5-pole plug-in units - Order plug-in units separately, e.g. from Mennekes - Protection type IP44						
	375 mm	3	Schuko sockets 16 A	FL4-STV3/16A 138569		2 off
	375 mm	2	Schuko sockets 16 A	FL4-STV2/16A 138570		
	375 mm	3	1 x CEE 32 A 2 x Schuko sockets 16 A	FL4-STV3/16-32A 138571		
	250 mm	2	Schuko sockets 16 A	FL3-STV2/16A 138572		
	250 mm	1	1 x CEE 16 A	FL3-STV/1/16A 138573		



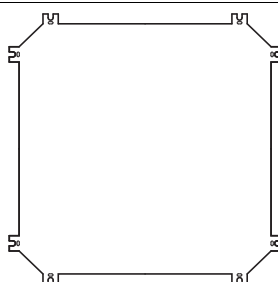
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Accessories for North America

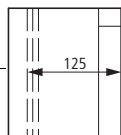
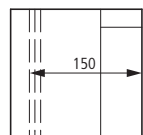
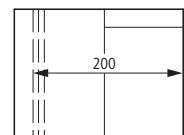
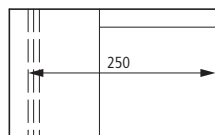
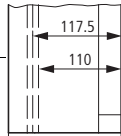
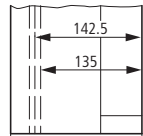
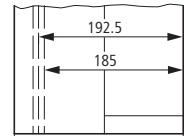
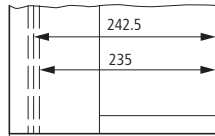
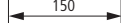
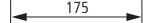
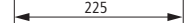
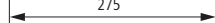
T-CI...NA, FL...NA, ZRF...NA

For use with	Mounting depth mm	Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America	
						
Doors						
- Protection type IP65 - Door opening angle 180° - Door hinges can be subsequently changed to left, right, top or bottom. - Adhesive film for marking the cutout - Fixing screws - Transparent						
Mounting on all enclosure covers D...-CI23-NA		T-CI23-NA 011925		1 off 	Product Standards	UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking E54120, E337418
Mounting on all enclosure covers D...-CI43-NA		T-CI43-NA 011957			UL File No.	NITW
Mounting on all enclosure covers D...-CI44-NA and D...-CI48-NA		T-CI44-NA 012001			UL CCN	27130
					CSA File No.	3211-07
					CSA Class No.	UL Listed, CSA certified
					NA Certification	Yes
					Specially designed for NA	Refer to main component information
					Suitable for	
For use with enclosure size		Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America	
						
Flanges						
187.5 mm		FL2-X-NA 208310		10 off 	Product Standards	UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking E54120, E337418
250 mm		FL3-X-NA 012462			UL File No.	NITW
375 mm		FL4-X-NA 208309			UL CCN	27130
					CSA File No.	3211-07
					CSA Class No.	UL Listed, CSA certified
					NA Certification	Yes
					Specially designed for NA	Refer to main component information
					Suitable for	
Spacers						
For enlarging the cable entry space, in conjunction with flange FL3-X-NA		ZRF3-NA 012479		2 off 	Product Standards	UL 508A; CSA-C22.2 No.94; IEC/EN 60529; CE marking E54120, E337418
					UL File No.	NITW
					UL CCN	27130
					CSA File No.	3211-07
					CSA Class No.	UL Listed, CSA certified
					NA Certification	Yes
					Specially designed for NA	Refer to main component information
					Suitable for	

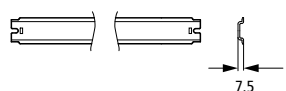
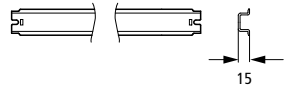
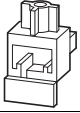
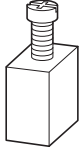
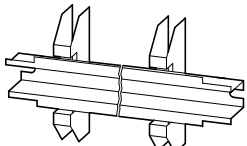


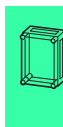
	For use with	Thread	Part no. Article no.	Price See price list	Std. pack
Mounting plates					
Including 4 captive fixing screws					
Galvanized steel, 3 mm thick					
	CI23	–	M3-CI23 019709		5 off
	CI43...: 1 x CI45...: 2 x	–	M3-CI43 029201		
	CI44	–	M3-CI44 031574		
	CI45	–	M3-CI45 003036		
	CI48	–	M3-CI48 036320		
Glass-fibre reinforced insulating material, 4 mm thick					
Devices are secured using hank nuts					
	CI23	–	IM4-CI23 086081		5 off
	CI43...: 1 x CI45...: 2 x	–	IM4-CI43 088454		
	CI44	–	IM4-CI44 090827		
	CI48	–	IM4-CI48 093200		
Hank nuts for insulating material mounting plate					
		M4	EM4-CI 002293		100 off
	–	M5	EM5-CI 002294		
	–	M6	EM6-CI 002295		

Notes

	CI...-125...	CI...-150...	CI...-200...	CI...-250...
Mounting depth with mounting plate				
Mounting depth with mounting rail 7.5 mm or 15 mm				
Enclosure depth				



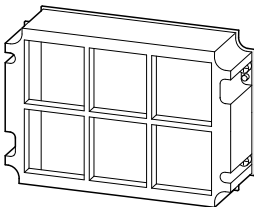
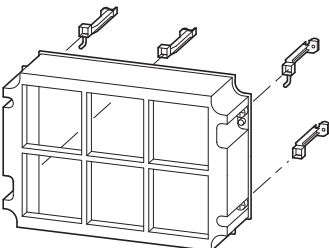
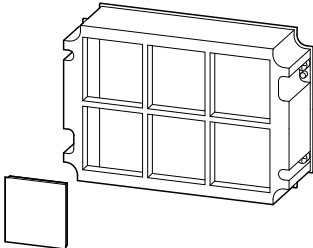
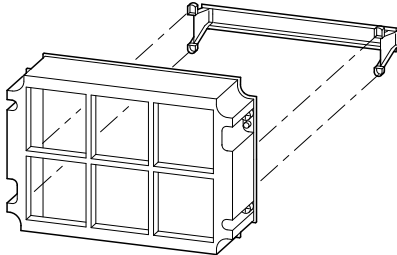
For use with		Part no. Article no.	Price See price list	Std. pack
Module mounting rail				
- Useful length 330 mm for enclosure dimension 375 mm - Galvanized steel, 3 mm thick - Including fixing screws				
		Horizontal CI43 CI44 CI45 CI48 Vertical CI44	ML4 041069	10 off
Mounting rails according to IEC/EN 60715				
- Galvanized sheet steel - Including 2 captive fixing screws				
Height 7.5 mm				
		Useful length 145 mm for enclosure dimension 187.5 mm	CL2 029064	20 off
		Useful length 207 mm for enclosure dimension 250 mm	CL3 033810	
		Useful length 332 mm for enclosure dimension 375 mm	CL4 038556	
Height 15 mm				
		Useful length 145 mm for enclosure dimension 187.5 mm	CL2-15 031437	10 off
		Useful length 207 mm for enclosure dimension 250 mm	CL3-15 036183	
		Useful length 332 mm for enclosure dimension 375 mm	CL4-15 040929	
Accessories for mounting systems				
Spacers - For raising the mounting systems (4 off required for mounting plate, 2 off required for mounting rail)				
		by 25 mm	HS25-CI 002291	25 off
		by 50 mm	HS50-CI 002292	25 off
		by 10 mm	ADT200-190 002289	10 off
		by 15 mm	ADT125-110 002290	10 off
Captive screw - For fixing the mounting systems - Spare parts				
–		Mounting plates, pre-drilled mounting plates, mounting rails, module mounting rails	UBS4.8 002288	25 off
Mounting rail support				
		CL4-15 Weight without TS... ≤ 4 kg, with TS... ≤ 10 kg, without TS... with HS25... ≤ 3 kg, without TS... with HS50... ≤ 1.5 kg	TSCL4-15 098480	10 off



Fitting of meters

GA...I..., AH-GA, HBA-..., BFS-...

HPL20028EN

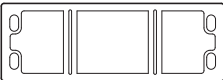
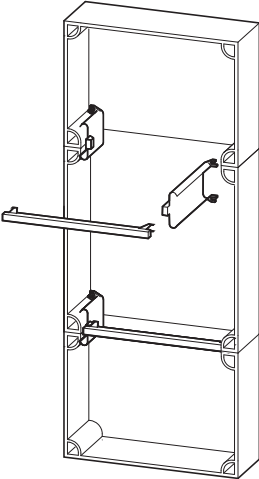
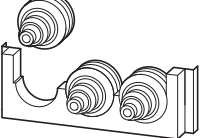
	For use with	Part no. Article no.	Price See price list	Std. pack
Meter covers				
In CI43E-200, CI44E-250 enclosures For up to six 96 × 96 mm snap-on metering devices. The meter shroud is secured using AH-GA support brackets.				
	CI43E-200, CI44E-200 enclosures	GA-MS-I43 053502		1 off
	CI44E-250 enclosure	GA-MS-I44 055875		1 off
Set of support brackets				
	For meter and protective shrouds (order meter shroud GA-MS-I43 separately). Each set consists of 4 brackets.	AH-GA 002305		10 off
Retaining frame				
	To cover unused spaces: Also required as an adapter with snap-on 72 × 72 mm meters and when fitting PKZM0 (voltmeters) as well as T0-... (meter changeover switch). (Order GA-MS-I43 meter shroud separately)	HBA-4344 002316		10 off
Fixing kits				
	For mounting up to two PKZM0, T0 Fitting parallel to 250 mm side of the enclosure. (Order GA-MS-I43 meter shroud separately)	BFS-PT3 002317		5 off
	For mounting up to three PKZM0, T0 Fitting parallel to 375 mm side of the enclosure. (Order GA-MS-I43 meter shroud separately)	BFS-PT4 002318		5 off



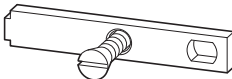
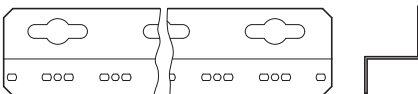
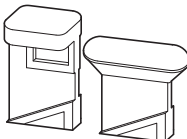
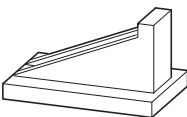
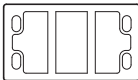
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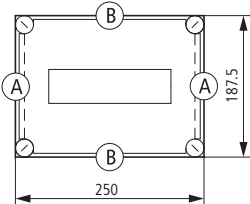
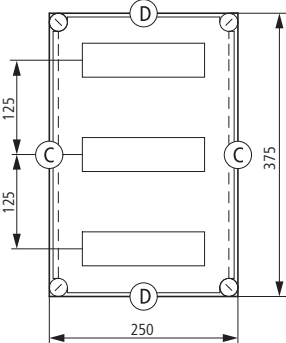
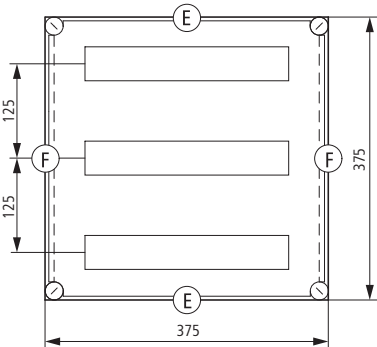
Accessories for enclosure assembly

BS...CI, FT-CI, STB...CI, KS...CI

	For use with For use with enclosure size	Part no. Article no.	Price See price list	Std. pack
Connection kits				
Insulating wedge-lock fastener for connecting the enclosures with each other				
	187.5 mm	BS2-CI 090750		10 off
	250 mm 500 mm Use two off	BS3-CI 097869		
	375 mm 750 mm Use two off	BS4-CI 014815		
Flange adapters				
For connecting enclosures with sides of different lengths				
	–	FT-CI 002319		10 off
Cross strut kits				
Enables fitting of cables or busbars from the front				
	250 mm	STB3-CI 219217		1 off
	375 mm	STB4-CI 034223		1 off
Stepped cable grommets				
Enables fitting of cables or busbars from the front				
 	250 mm For 2 cables of 14 – 54 mm	KS3-CI 057621		1 off
	375 mm For 3 cables of 14 – 68 mm	KS4-CI 062367		1 off



	For use with	Part no. Article no.	Price See price list	Std. pack
Fixing strap kits				
- For securing CI enclosures directly to the wall - For max. 4 CI43... enclosures				
	Each set contains 4 straps.	BL-CI 036168		5 off
	Steel type V2A Each set contains 4 straps.	BL-CI-VA 038541		5 off
Wall fixing bracket				
- For securing CI enclosures directly to the wall with a clearance of 50 mm - Fit one wall fixing bracket to every second enclosure across the width, for transport purposes add more brackets at the bottom				
	Section length 2125 mm, cut to fit.	W16/32 090146		1 off
	Max. 2 × CI43 one above the other	W4/8 048755		
	Max. 2 × CI44 one above the other	W6/12 051128		
	Max. 4 × CI43 one above the other	W8/16 053501		
	Max. 5 × CI43 one above the other	W10/20 055874		
Fixing screw				
	For securing CI enclosures to wall fixing brackets W... For fixing CI enclosures on WS..., WW... profiles	LT284-M6X20-C 050325		100 off
Coupling piece				
	Enclosure assembly and flange connection, K-CI required	VS-CI 002315		100 off
	For attaching gland plates, K-CI required	VS-KS-CI 038460		25 off
Wedge				
	With VS-CI or VS-KS-CI for enclosure assembly and attaching flanges and gland plates	K-CI 002314		100 off
Bracket				
	Enclosure assemblies, enclosure dimension 375 mm	KD4-CI 002313		25 off
Gaskets				
For enclosure assembly				
	Enclosure dimension 187.5 mm	D2-CI 002310		20 off
	Enclosure dimension 250 mm	D3-CI 002311		
	Enclosure dimension 375 mm	D4-CI 002312		

Dimensions	Single-pole miniature circuit-breakers (space unit)	PE and N terminals Number x cross-section	Model		Part no. Article no.	Price See price list	Std. pack
mm	Number	mm ²	Type cover	Type door			
MCB individual enclosures							
• Metric cable entry knockouts in all sides • Protection type IP65 • For flush mounting devices with size 1 to DIN 43880 • Transparent cover with quick-release fasteners, transparent door for operator access to devices fitted • Mounting rails for snap-fitting the devices • Blanking strip for unused locations, protective shroud with inscription label • PE/N bars • Fixing straps for wall mounting, cover fasteners can be sealed • Enclosure depth 150 mm							
	9	On each 2 x (6 - 16) On each 7 x (1 - 4)	Transparent	—	AE/I23E 029766		1 off
	9	On each 2 x (6 - 16) On each 7 x (1 - 4)	—	Transparent	AE/I23E/T 032139		
	27	On each 4 x (6 - 35) On each 20 x (1 - 4)	Transparent	—	AE/I43E 000239		
	27	On each 4 x (6 - 35) On each 20 x (1 - 4)	—	Transparent	AE/I43E/T 002612		
	45	On each 4 x (6 - 35) On each 20 x (1 - 4)	Transparent	—	AE/I44E 004985		
	45	On each 4 x (6 - 35) On each 20 x (1 - 4)	—	Transparent	AE/I44E/T 061937		

Notes

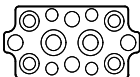
- - - PE/N bars

A



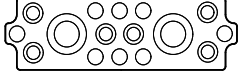
1 x M32/20
6 x M20
2 x M16

B



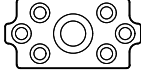
2 x M32/20
4 x M25/16
4 x M20
4 x M16

C



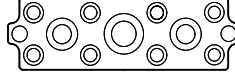
2 x M50/20
6 x M25/16
8 x M20

D



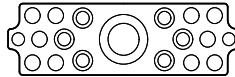
1 x M50/32
6 x M25/16

E



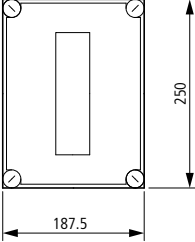
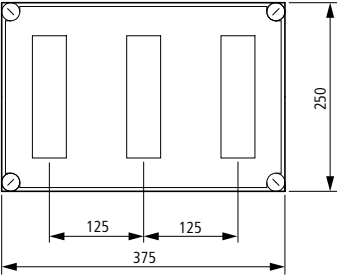
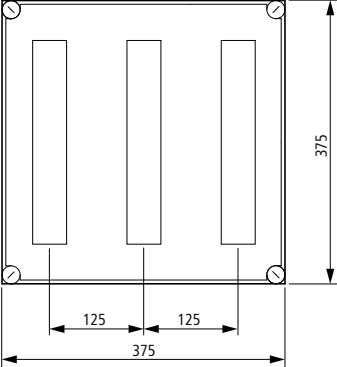
1 x M50/32
2 x M40/25
8 x M25/16
2 x M20

F

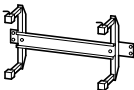
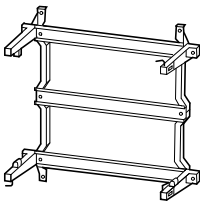
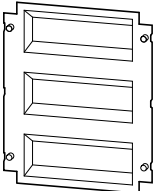
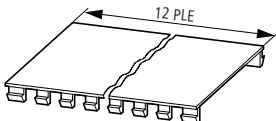


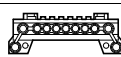
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6 x M25/16
10 x M20
2 x M16

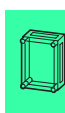


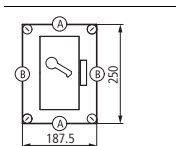
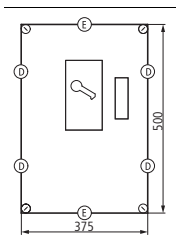
Dimensions mm	Enclosure depth mm	Single-pole miniature circuit-breakers (space unit) Number	Part no. Article no.	Price See price list	Std. pack
Enclosures for miniature circuit-breakers - Sides closed, but with full area knockout, open top and bottom - Protection type IP65 - For flush mounting devices with size 1 to DIN 43880 - Transparent cover with quick-release fasteners - Mounting rails for snap-fitting the devices - Blanking strip for unused locations, protective shroud with inscription label - Fixing straps for wall mounting, cover fasteners can be sealed					
	150	9	AV/I23-125 036089		1 off
	175	9	AV/I23-150 043208		
	150	27	AV/I43-125 047954		
	225	27	AV/I43-200 045581		
	150	45	AV/I44-125 059819		
	225	45	AV/I44-200 062192		



	For use with	Part no. Article no.	Price See price list	Std. pack	Notes
Mounting rail supports					
One row					
	CI23	TG23 044004		1 off	162 mm busbar lengths For 9 space units
Three rows					
	CI43	TG43 046377		1 off	162 mm busbar lengths for 3 x 9 space units
	CI44	TG44 048750		1 off	270 mm busbar lengths for 3 x 15 space units
Protective shroud					
Busbar tag shroud with inscription label					
	TG23	GA-0/I23 051123		5 off	–
	TG43	GA-0/I43 053496			–
	TG44	GA-0/I44 055869			–
Blanking strips					
For blanking off unused locations					
	GA-0/I...	VST12 002322		10 off	For 12 space units

	PE and N terminals Quantity x Cross-section mm ²	Gauge pin IEC/EN 60947-1	For use with	Part no. Article no.	Price See price list	Std. pack
N bars						
	2 x 6 - 35 7 x 1 - 4	B8, A3	TG23	N23AE 058242		1 off
	4 x 6 - 35 20 x 1 - 4	B8, A3	TG43 TG44	N434AE 060615		1 off
PE (PEN) bars						
	4 x 6 - 35 20 x 1 - 4	B8, A3	TG43 TG44	PEN434AE 062988		1 off
	2 x 6 - 35 7 x 1 - 4	B8, A3	TG23	PEN23AE 065361		1 off

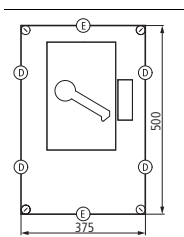


	Rated uninterrupted current I_u A	Can be used for basic device	Can be used with terminals ²⁾	Basic enclosure	Part no. Article no.	Price See price list	Std. pack
Enclosures for NZM... circuit-breakers/N... switch-disconnectors, 3- and 4-pole - For use as individual enclosures¹⁾ or in distribution boards - For distribution board applications observe the characteristic data of other apparatus. - Protection type IP65, when enclosures closed throughout - Metric cable entry knockouts in all sides. Exception: CI48...: Side panels without knockouts, open at bottom - Sidewalls with knockouts; can be grouped with other devices - With door coupling rotary handle NZM...-XTVD and extension shaft - Transparent cover, predrilled - Mounting plate predrilled for switches and one PE and N terminal each - Mounting plate, 3 mm sheet steel - Sealable cover fasteners - Fixing material for fixing material - Fixing strap BL-CI - Can not be combined with remote operator NZM...-XR, plug-in unit NZM...-XSV or withdrawable unit NZM...-XAV. - Rated operating voltage 690 V AC							
	63	NZM1(-4) N1(-4) N(S)1(-4)	K10/1 K25/1 K50/1 K95/1N...	CI23E-150	MCCB1-63/I23E-150 138538		1 off
	125	NZM1(-4) N1(-4) N(S)1(-4)	K10/1 K25/1 K50/1 K95/1N...	CI43E-150	MCCB1-125/I43E-150 138539		
	160	NZM1(-4) N1(-4) N(S)1(-4)	K10/1 K25/1 K50/1 K95/1N...	CI43E-200	MCCB1-160/I43E-200 138540		
	200	NZM2(-4) N2(-4) N(S)2(-4)	K10/1 K25/1 K50/1 K95/1N... K150/1N...	CI43E-200	MCCB2-200/I43E-200 138541		
	250	NZM2(-4) N2(-4) N(S)2(-4)	K10/1 K25/1 K50/1 K95/1N... K150/1N...	CI45E-200	MCCB2-250/I45E-200 138542		
							



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MCCB3-...

	Rated uninterrupted current I_u A	Can be used for basic device	Can be used with terminals ²⁾	Basic enclosure	Part no. Article no.	Price See price list	Std. pack
	400	NZM3(-4) N3(-4) N(S)3(-4)	K50/1 K95/1N... K150/1N... K240/1N...	CI45E-200	MCCB3-400/145E-200 138543		1 off
	630	NZM3(-4) N3(-4) N(S)3(-4)	K50/1 K95/1N... K150/1N... K240/1N... K2X240/1N...	CI combination of CI48-200 + CI43E- 200 + STB4-CI	MCCB3-630/148/143E- 200 138544		

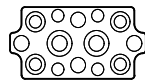
Notes

¹⁾ Order insulated additional terminal for fourth or fifth pole separately → Chapter 16, Accessories for control panels

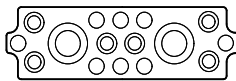
²⁾ Observe short-circuit values of individual enclosures → Chapter 17: Compact circuit-breakers NZM, compact switch-disconnectors N up to 1600 A

A

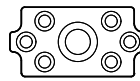
1 x M32/20
6 x M20
2 x M16

B

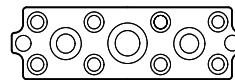
2 x M32/20
4 x M25/16
4 x M20
4 x M16

C

2 x M50/20
6 x M25/16
8 x M20

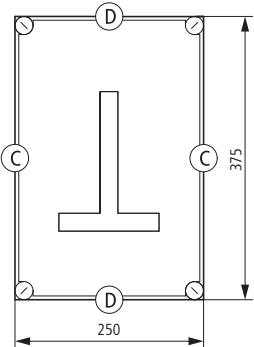
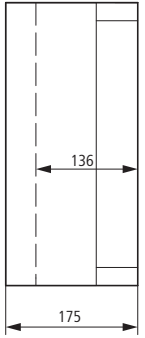
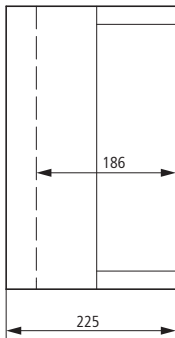
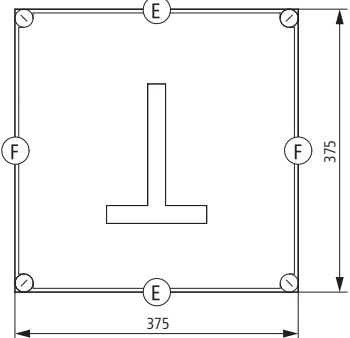
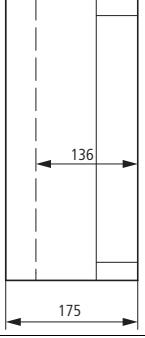
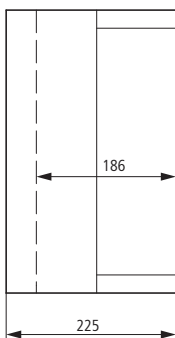
D

1 x M50/32
6 x M25/16

E

1 x M50/32
2 x M40/25
8 x M25/16
2 x M20



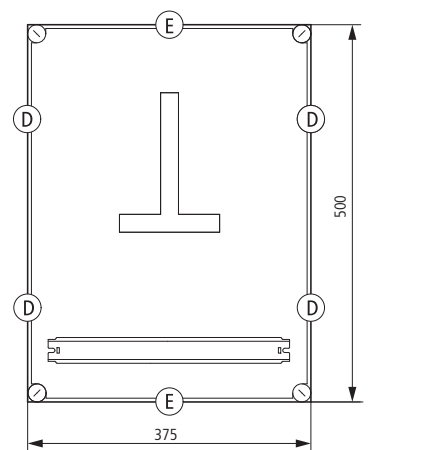
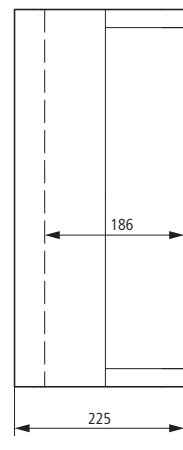
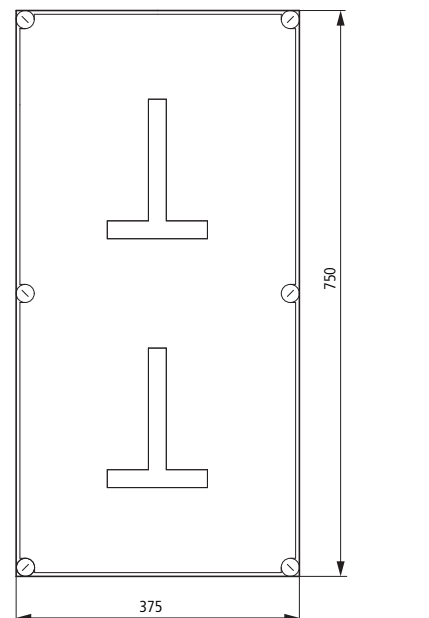
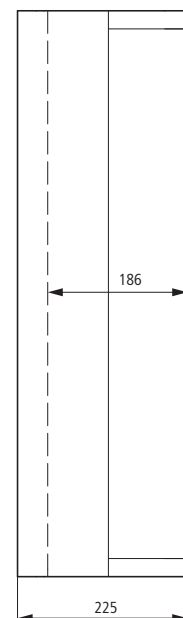
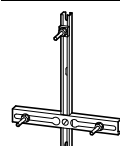
Dimensions	Enclosure depth: dimensions from top: 1. Meter rail 2. Enclosure depth	Type cover	Part no. Article no.	Price See price list	Std. pack
mm	mm				
Meter enclosures , meter rail					
• Metric cable entry knockouts in all sides (exception: ZG/I48-200) • Protection type IP65 • Cover/door transparent • ZG/I48-200 top and bottom with full area knockouts for FL4... flange • Meter rail to DIN 43853 including meter fixing screws and nuts • Fixing straps for wall fixing • Sealable fasteners at the top edge of the cover					
		Transparent	ZG/I43E-G-150 013151		1 off
		Transparent	ZG/I43E-G-200 015524		
		Transparent	ZG/I44E-150 017897		
		Transparent	ZG/I44E-200 020270		

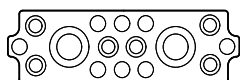
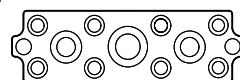
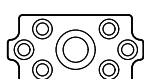


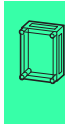
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Meter enclosures

ZG/I...

Dimensions	Enclosure depth: dimensions from top: 1. Meter rail 2. Enclosure depth	Type cover/ Type door	Part no. Article no.	Price See price list	Std. pack
mm	mm				
Meter enclosures , meter rail					
		Transparent	ZG/I45E-200-T 090145		1 off
		Transparent	ZG/I45E-200 098479		
		Transparent	ZG/I48-200 022643		
Meter rail					
	-	To DIN 43853, including three counter fixing bolts with nuts to DIN 46300. For fitting on mounting plates, sealing → Page 20/22 → Page 20/26	ZK1 001892		5 off

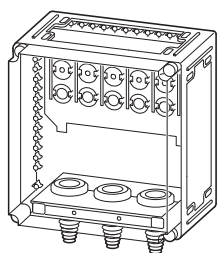
Notes	C	E
		
	2 x M50/20 6 x M25/16 8 x M20	1 x M50/32 2 x M40/25 8 x M25/16 2 x M20
	D	F
		
	1 x M50/32 6 x M25/16	1 x M63/40 6 x M25/16 10 x M20 2 x M16



Distribution board terminal enclosure

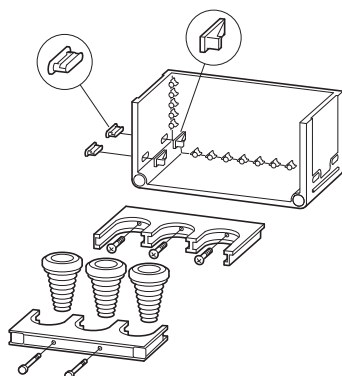
K...KST

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Distribution board terminal enclosure

- Distribution board enclosure with terminals and fitted gland plate
- External connection for round and solid sector conductors, internal for copper strip, conversion kits to round and solid sector conductors → Chapter 16: Accessories for control panels
- Large knockouts at top, and apertures for wedge-lock fasteners
- Closed side walls with full area knockouts
- Fitting of cable supports in the distribution board with wedge-lock fastener
- Protection type IP65 (gland plates at bottom)

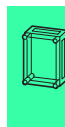


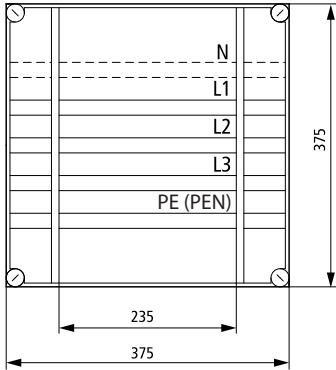
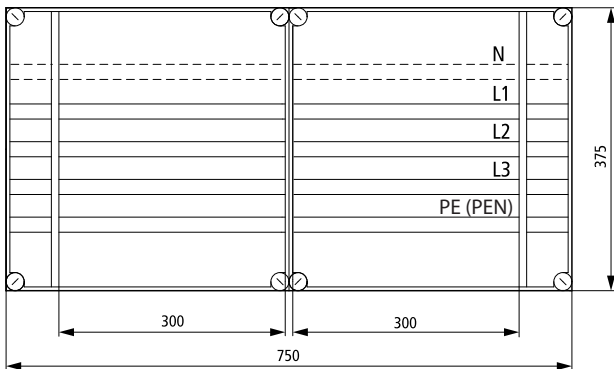
- Stepped cable grommet
- Split gland plate
- Cables can be inserted from the front
- Enclosure KST... with fitted gland plate
- Subsequent conversion of CI distribution board enclosures and CI individual enclosures possible

	Rated uninterrupted current I_u	Pole	Enclosure depth	Terminal capacity (stranded conductors) mm ² Strip terminal (max.) mm	Basic enclosure Mounting system Devices (Number)	Part no. Article no.	Price See price list	Std. pack
	A		mm	mm ²				
	160	4	225	1 x 16...95 6 x 9 x 0.8	KST34-200 L5-CI43 K95/... (4 or 5)	K95/4/KST34 025031		1 off
		5				K95/5/KST34 027404		
	250	4		1 x 35...150 2 x 16...70 6 x 16 x 0.8	KST34-200 L5-CI43 K150/... (4 or 5)	K150/4/KST34 029777		
		5				K150/5/KST34 032150		
	160	4	225	1 x 16...95 6 x 9 x 0.8	KST43-200 L5-CI43 K95/... (4 or 5)	K95/4/KST43 041642		
		5				K95/5/KST43 039269		
	250	4		1 x 35...120 2 x 16...70 6 x 16 x 0.8	KST43-200 L5-CI43 K150/... (4)	K150/4/KST43 034523		
	400	4	225	1 x 50...240 2 x 25 x 120 10 x 16 x 0.8	KST44-200 L5-CI43 K240/... (4 or 5)	K240/4/KST44 044015		
		5				K240/5/KST44 046388		



	Rated uninterrupted current I_u	Pole	Enclosure depth	Terminal capacity (stranded conductors) mm ² Strip terminal (max.) mm	Basic enclosure Mounting system Devices (Number)	Part no. Article no.	Price See price list	Std. pack
A			mm	mm ²				
	400	4	225	1 x 50...240 2 x 25 x 120 10 x 16 x 0.8	KST48-200 L5-CI43 K240/... (4 or 5)	K240/4/KST48 048761		1 off
		5				K240/5/KST48 051134		
	630	4		1 x 150...300 2 x 50 x 240 11 x 21 x 1.0	KST48-200 L5-CI43 K2x240/... (4 or 5)	K2X240/4/KST48 055880		
		5				K2X240/5/KST48 053507		
	800	4		2 x 120...240 3 x 50 x 185 2 x (21 x 11 x 1)	KST48-200 L5-CI43 K3x185/4	K3X185/4/KST48 058253		
	1000	4	225	2 x 150...300 3 x 50...240 50 x 12	KST48-200 L5-CI43 K3x240/4	K3X240/4/KST48 060626		
	2 x 100	2 x 4	175	1 x 16...50 3 x 9 x 0.8	CI23E-150 L3/5-CI23 K50/1	2K50/4/KST32 067745		
		2 x 5				2K50/5/KST32 070118		
	2 x 160	2 x 4	225	1 x 16...95 6 x 9 x 0.8	KST43-200 L3/5-CI23 K95/... (4 or 5)	2K95/4/KST43 074864		
		2 x 5				2K95/5/KST43 072491		
	2 x 250	2 x 4	225	1 x 35...150 2 x 16x70 6 x 16 x 0.8	KST44-200 L5-CI43 K150/... (4 or 5)	2K150/4/KST44 077237		
		2 x 5				2K150/5/KST44 079610		
	2 x 400	2 x 4	275	1 x 50...240 2 x 25 x 120 10 x 16 x 0.8	KST48-200 L5-CI43 K240/... (4 or 5)	2K240/4/KST48 062999		
		2 x 5				2K240/5/KST48 065372		

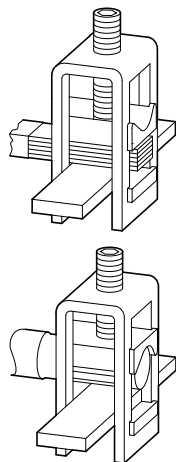
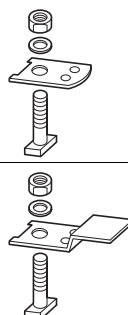


Dimensions	Rated operational current I_e A	Features	Copper factor ¹⁾	Part no. Article no.	Price See price list	Std. pack
mm						
Busbar enclosures						
• Protection type IP65 • Transparent cover • Top and bottom with full area knockouts • Sides closed, but with full area knockout • Fixing straps for wall fixing • Sealable cover fasteners • Enclosure depth 225 mm • 50 mm between busbar centres						
	250	L1, L2, L3, PEN		SKA254-I44 034221		1 off
	400	L1, L2, L3, PEN		SKA404-I44 034220		
	630	L1, L2, L3, PEN		SKA634-I44 090135		
	250	L1, L2, L3, PE, N		SKA255-I44 034209		
	400	L1, L2, L3, PE, N		SKA405-I44 034208		
	630	L1, L2, L3, PE, N		SKA635-I44 090138		
	250	L1, L2, L3, PEN		SKA254-2I44 034207		
	400	L1, L2, L3, PEN		SKA404-2I44 034204		
	630	L1, L2, L3, PEN		SKA634-2I44 090141		
	250	L1, L2, L3, PE, N		SKA255-2I44 034203		
	400	L1, L2, L3, PE, N		SKA405-2I44 034202		
	630	L1, L2, L3, PE, N		SKA635-2I44 090144		
Busbar coupling kits						
Including sealing and fixing material						
	250 - 630	L1, L2, L3, PE, N		SVS250630-5 002066		1 off
	1000	L1, L2, L3 for copper busbars 2 × 30 × 10 mm		AVS30L 093842		3 off
	500	PE, N, PEN for copper busbar 30 × 10 mm		AVS30PEN 096215		2 off
	1600	L1, L2, L3 for copper busbars 3 × 40 × 10 mm		AVS40 098588		3 off

Notes¹⁾ Calculation of additional material cost → Page 23/2

Selection of busbar cross-section and usable device → Page 20/73

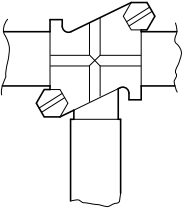


	For use with busbars mm	Terminal capacity for flat strip mm	Operating current of the flat strip I _e A	Terminal capacity Round conductor mm ²	Part no. Article no.	Price See price list	Std. pack	Notes	
Busbar terminals									
For connection of flat strip or round conductor									
	Cu 12 x 5	3 x 9 x 0.8	100	⊙ 16 - 35 ⊗ 16 - 25	K12X5-1 002281		10 off		
	Cu 12 x 5	3 x 9 x 0.8 10 x 16 x 0.8	100 400	⊙ 25 - 120 ⊗ 25 - 95	K12X5-2 002282				
	Cu 20 x 5	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8	100 160 200 250	⊙ 35 - 70 ⊗ 35 - 50	K20X5 002286				
	Cu 20 x 5	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8 11 x 21 x 1	100 160 200 250 400 630	⊙ 35 - 240 ⊗ 35 - 185	K20X10 002283				
	Cu 20 x 10	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8 11 x 21 x 1	100 160 200 250 400 630	⊙ 35 - 185 ⊗ 35 - 95					
	Cu 20 x 15	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8 11 x 21 x 1	100 160 200 250 400 630	⊙ 35 - 70 ⊗ 35 - 50					
	Cu 20 x 10-15 Cu 20 x 5-15	3 x 9 x 0.8 11 x 21 x 1	100 630	⊙ 35 - 300 ⊗ 35 - 240	K20X15 002284				
Connection for flat strip and copper busbar									
	Cu 2 x 30 x 10	2 x 50 x 12	—	—	K30X10L 081977		3 off	For main conductor L1, L2, L3	
	Cu 1 x 30 x 10	50 x 12	—	—	K30X10PEN 084350		2 off	For protective or neutral conductor PE, N, PEN	
	Cu 3 x 40 x 10	2 x 50 x 12	—	—	K40X10 086723		3 off	For main conductor L1, L2, L3	
	Cu 1 x 30 x 10	3 x 9 x 0.8 - 11 x 21 x 1	100 630	—	AW3040L-K20 089096		5 off	In combination with busbar terminals K20X5, K20X10, K20X15	
	Cu 2 x 30 x 10 Cu 2 x 40 x 10	3 x 9 x 0.8 - 11 x 21 x 1	100 630	—	AW30PEN-K20 091469		5 off	In combination with busbar terminals K20X5, K20X10, K20X15	

Notes

- ¹⁾ Terminal capacity:
 ⊙ solid
 ⊗ stranded
 ⊗ flexible with ferrule
 Terminals AK... → Chapter 16, Accessories for control panels

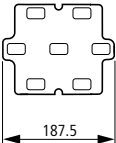
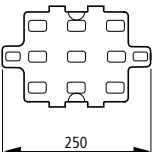
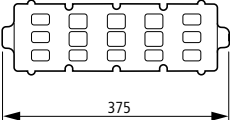
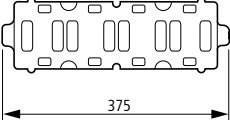
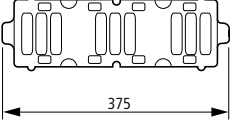


	For use with busbars	Terminal capacity for flat strip	Operating current of the flat strip I_e A	Terminal capacity for round conductor ¹⁾ mm^2	Part no. Article no.	Price See price list	Std. pack
	mm	mm					
Connection flat strip							
	Cu 12 x 5	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8	100 160 200 250	○ 1.5 - 10 ⊗ 1.5 - 6	K12X5/25 002324		10 off
	Cu 20 x 5	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8	100 160 200 250	○ 1.5 - 10 ⊗ 1.5 - 6	K20X5/25 002327		10 off
	Cu 20 x 5 Cu 20 x 10	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8	100 160 200 250 400	○ 1.5 - 10 ⊗ 1.5 - 6	K20X10/35 002325		10 off
	Cu 20 x 5 Cu 20 x 10	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8	100 160 200 250 400	○ 1.5 - 10 ⊗ 1.5 - 6	K20X15/40 002285		10 off
	Cu 20 x 10 Cu 20 x 15	3 x 9 x 0.8 6 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8 11 x 21 x 1	100 160 200 250 400 630	○ 1.5 - 10 ⊗ 1.5 - 6	K20X15/40 002285		10 off
	Cu 20 x 15	11 x 21 x 1 2 x (11 x 21 x 1)	630 800	○ 1.5 - 10 ⊗ 1.5 - 6	K20X15/50 002326		5 off

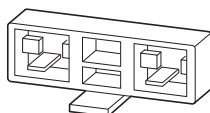
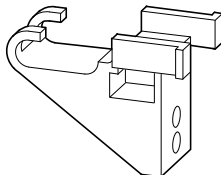
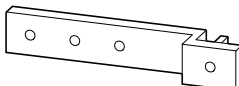
Notes

- ¹⁾ Terminal capacity:
 ○ solid
 ⊗ stranded
 ⊗ flexible with ferrule



	Rated operational current I_e A	For use with	Part no. Article no.	Price See price list	Std. pack
Busbar support					
For use between two enclosures					
• Component mounting possible on busbar, → Page 20/46 • Interval between busbar supports max. 375 mm					
Interval between busbar centres 40 mm					
	160	L1, L2, L3, PE, N: 12 x 5	SH0165/2 010774		5 off
Interval between busbar centres 50 mm					
	250 400 630	L1, L2, L3, PE, N: 20 x 5 L1, L2, L3: 20 x 10; PE, N, PEN: 20 x 5 L1, L2, L3, PE, N: 20 x 15	SH0635/3 058247		5 off
	250 400 630	L1, L2, L3, PE, N, PEN: 20 x 5 L1, L2, L3: 20 x 10; PE, N, PEN: 20 x 5 L1, L2, L3: 20 x 10 + 20 x 5; PE, N, PEN: 20 x 10	SH0635/4 060620		
	1000	L1, L2, L3: 2 x 30 x 10; PE, N: 30 x 10	SH1005/4 062993		
	1600	L1, L2, L3: 3 x 40 x 10	SH1603/4 065366		



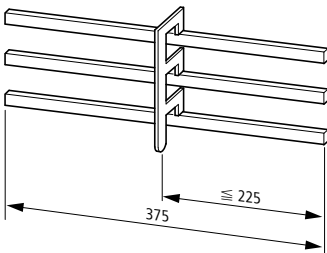
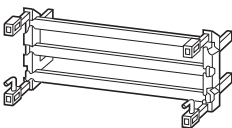
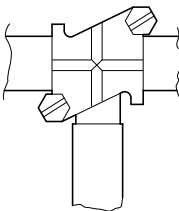
	Rated operational current I_e A	Supplied in lengths of mm	For use with	Copper factor	Dimensions mm	Part no. Article no.	Price See price list	Std. pack
Busbars								
Flat copper busbars								
Tinned	160	1500	SH0165/2		12 x 5	CU12X5 034121		10 off
Tinned	160	2250	SH0165/2		12 x 5	CU12X5-2250 005093		10 off
Tinned	250	1500	SH0635/3		20 x 5	CU20X5 044092		10 off
Tinned	250	2250	SH0635/4 SH0632		20 x 5	CU20X5-2250 007466		10 off
Tinned	400	1500	SH0635/3		20 x 10	CU20X10 041719		5 off
Tinned	400	2250	SH0635/4 SH0632		20 x 10	CU20X10-2250 009839		5 off
Untreated	–	1500	SH1005/4		30 x 10	CU30X10 051211		1 off
Untreated	–	1500	SH1603/4		40 x 10	CU40X10 063076		3 off
PE/N busbar supports								
For relocating PE/N bars from the busbar enclosure to the terminal compartment (floor-standing distribution boards)								
	250 400 630	–	–		20 x 5 20 x 10 20 x 15	SH0632 067739		5 off
Support bracket for busbar supports								
To secure busbar supports in the first and last enclosures when using busbar links and transport splits								
	–	–	SH0635/...		–	HSH-CI 002320		5 off
	–	–	SH0165/2 to SH0632		–	HSH0632 002321		5 off

Notes

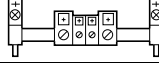
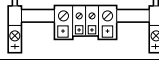
Calculation of additional material cost → Page 23/2

Selection of busbar cross-section and usable device → Page 20/73



	For use with	Part no. Article no.	Price See price list	Std. pack	Notes
Busbar bracing					
Fitting in the centre between two SH0635/... busbar supports when fitting RS...3-50 busbar mounting fuses on 20 x 5 copper busbars					
	—	SVCU20X5 002323		10 off	—
Busbar assemblies					
• For mounting busbar mounting fuse bases • 3 pole, for 250 A rated operational current					
	CI23	SE-RS-I23 041632		1 off	Set of connecting links → Page 20/47
	CI43	SE-RS-I43 044005			
	CI44	SE-RS-I44 001890			
Cross terminal					
For fuse enclosure and busbar fuse enclosures as well as SE-RS-I43 busbar assemblies					
	CU20X5 CU20X10 CU20X15	K20X15/40-A 012783		10 off	Terminal capacity for flat strip: from 3 x 9 x 0.8 mm Up to 10 x 16 x 0.8 mm Ø 4 - 10 mm ² (solid)
Notes		LV h.b.c. fuse switch-disconnector, Insulating surround → Chapter 19: Circuit-breakers, fuses Busbar mounting fuse bases, covers for busbar mounting fuse bases → Online Catalog			

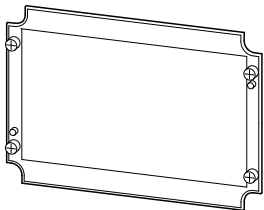
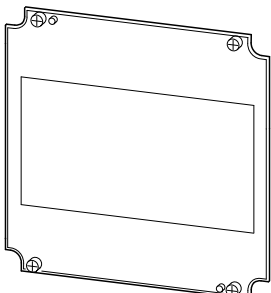
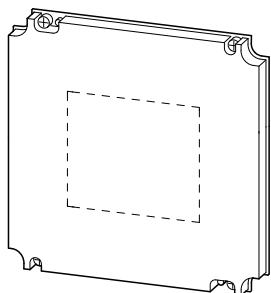
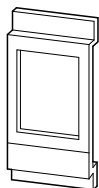
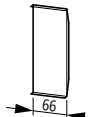


	Conductor cross section		For use with	Part no. Article no.	Price See price list	Std. pack
	solid mm ²	stranded mm ²				
N bars						
	2 x 2.5 - 35 6 x 1.5 - 16	2 x 2.5 - 25 6 x 1.5 - 16	SE-RS-I23 (RS18/I23)	N23RS18 055870		1 off
	2 x 2.5 - 35 9 x 0.5 - 6	2 x 2.5 - 25 9 x 0.5 - 4	SE-RS-I23 (RS27/I23)	N23RS27 058243		
	2 x 2.5 - 35 2 x 1.5 - 16	2 x 2.5 - 25 2 x 1.5 - 16	SE-RS-I23 (RS33/I23)	N23RS33 060616		
	2 x 2.5 - 35 12 x 1.5 - 16	2 x 2.5 - 25 12 x 1.5 - 16	SE-RS-I43 (I44) RS18/I43 (I44)	N43RS18 067735		
	2 x 2.5 - 35 18 x 0.5 - 6	2 x 2.5 - 25 18 x 0.5 - 4	SE-RS-I43 (I44) RS27/I43 (I44)	N43RS27 065362		
	2 x 2.5 - 35 4 x 1.5 - 16	2 x 2.5 - 25 4 x 1.5 - 16	SE-RS-I43 (I44) RS33/I43 (I44)	N43RS33 062989		
PE (PEN) bars						
	2 x 2.5 - 35 6 x 1.5 - 16	2 x 2.5 - 25 6 x 1.5 - 16	SE-RS-I23 (RS18/I23)	PEN23RS18 081973		1 off
	2 x 2.5 - 35 9 x 0.5 - 6	2 x 2.5 - 25 9 x 0.5 - 4	SE-RS-I23 (RS27/I23)	PEN23RS27 079600		
	2 x 2.5 - 35 2 x 1.5 - 16	2 x 2.5 - 25 2 x 1.5 - 16	SE-RS-I23 (RS33/I23)	PEN23RS33 077227		
	2 x 2.5 - 35 12 x 1.5 - 16	2 x 2.5 - 25 12 x 1.5 - 16	SE-RS-I43 (I44) RS18/I43 (I44)	PEN43RS18 070108		
	2 x 2.5 - 35 18 x 0.5 - 6	2 x 2.5 - 25 18 x 0.5 - 4	SE-RS-I43 (I44) RS27/I43 (I44)	PEN43RS27 072481		
	2 x 2.5 - 35 4 x 1.5 - 16	2 x 2.5 - 25 4 x 1.5 - 16	SE-RS-I43 (I44) RS33/I43 (I44)	PEN43RS33 074854		

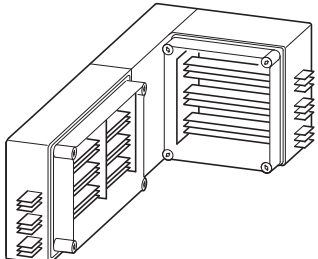
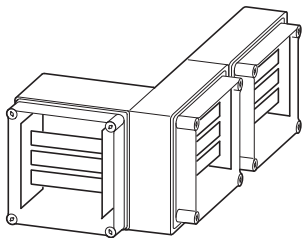


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GA-..., B-GST00-..., AS...-CI, VBS...

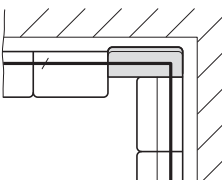
	For use with	Permissible devices	Part no. Article no.	Price See price list	Std. pack
Protective shroud					
Always also order fixing kit AH-GA.					
	CI23...	RS...3-50 busbar mounting fuse base	GA-RS-I23 046378		1 off
	CI43...	RS...3-50 busbar mounting fuse base GSTA00-160-40-60-AOU fuse switch-disconnector	GA-RS-I43 048751		1 off
	CI43...	RS...3-50 busbar mounting fuse base GSTA00-160-40-60-AOU fuse switch-disconnector	GA-RS-I43-G 017907		1 off
	CI44...	RS...3-50 busbar mounting fuse base GSTA00-160-40-60-AOU fuse switch-disconnector	GA-RS-I44 022653		2 off
	CI43...	RS...3-50 busbar mounting fuse base GSTA1 fuse switch-disconnector, with A-GSTA1/...adapter plate	GA-1-I43-G 020280		4 off
	CI44...	Fuse switch-disconnector with A-GSTA1/... adapter plate, GSTA1	GA-1-I44 025026		2 off
	CI44...	Fuse switch-disconnector with A-GSTA2/... adapter plate, GSTA2	GA-2-I44 027399		4 off
Insulating surround for fuse switch-disconnectors					
For compensation between the GA... protective cover and the device (for use in the CI insulated distribution board system)					
	GST00	—	B-GST00-40-60/CI/1 224553		5 off
Blanking strips					
To cover unused spaces					
	GA-RS-I43 GA-RS-I44	—	AS-RS-CI 002304		10 off
Set of connecting links					
For connection of the busbars for RS.../I23, RS.../I43, RS.../I44E, 250 A for L1, L2, L3. Each set contains 3 links					
	RS.../I23E RS.../I43E RS.../I44E	—	VBS-RS 002307		5 off



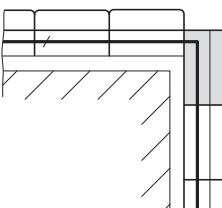
	Rated operational current I_e A	Part no. Article no.	Price See price list	Std. pack	Notes
Corner enclosures					
- Protection type IP65 - Up to 5-pole and up to 1000 A 3 pole 1600 A - For 1600 A busbars additional enclosure for PE/N bars					
 Design "In the corner"¹⁾ - Connection material (transport split) - Busbars pre-bent - Non-transparent cover	250 400 630	ESKI630-310/144 002144		1 off	For main conductor L1, L2, L3 For protective or neutral conductor PE, PEN
		ESKI630-320/144 002169			For main conductor L1, L2, L3 For protective or neutral conductor PE, N
	1000	ESKI1000-310/144 002171			For main conductor L1, L2, L3 For protective or neutral conductor PE, PEN
		ESKI1000-320/144 002170			For main conductor L1, L2, L3 For protective or neutral conductor PE, N
	1600	ESKI1600-300/144 002172			For main conductor L1, L2, L3
	1000	EPENI1000-010/144 002173			For protective or neutral conductor PE, PEN
		EPENI1000-020/144 002174			For protective or neutral conductor PE, N
	1600	EPENI1600-010/144 002176			For protective or neutral conductor PE, PEN
		EPENI1600-020/144 002175			For protective or neutral conductor PE, N
 Design "Around the corner"²⁾ - Connection material (transport split) - Busbars pre-bent - Transparent cover	250 400 630	ESKU630-310/144 002178			For main conductor L1, L2, L3 For protective or neutral conductor PE, PEN
		ESKU630-320/144 002179			For main conductor L1, L2, L3 For protective or neutral conductor PE, N
	1000	ESKU1000-310/144 002181			For main conductor L1, L2, L3 For protective or neutral conductor PE, PEN
		ESKU1000-320/144 002180			For main conductor L1, L2, L3 For protective or neutral conductor PE, N
	1600	ESKU1600-300/144 002182			For main conductor L1, L2, L3
	1000	EPENU1000-010/144 002183			For protective or neutral conductor PE, PEN
		EPENU1000-020/144 002184			For protective or neutral conductor PE, N
	1600	EPENU1600-010/144 002186			For protective or neutral conductor PE, PEN
		EPENU1600-020/144 002185			For protective or neutral conductor PE, N

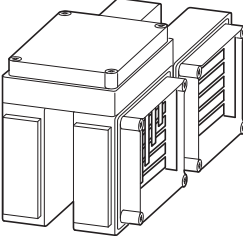
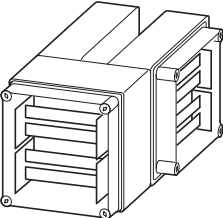
Notes

1)



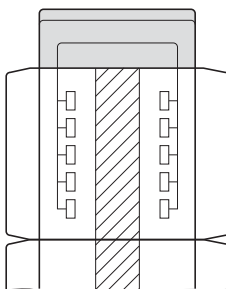
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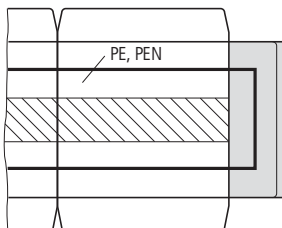
		Rated operational current I_e A	Part no. Article no.	Price See price list	Std. pack	Notes
Design "Back-to-back"						
- Protection type IP65 - Connection material - Transparent cover - For 1600 A busbars additional enclosure for PE/N bars						
	630 A busbar ¹⁾	250	RSK630-310/144		1 off	For main conductor L1, L2, L3
		400	002154			For protective or neutral conductor PE, PEN
		630	RSK630-320/144			For main conductor L1, L2, L3
			002195			For protective or neutral conductor PE, N
	PE/N busbars ²⁾	1000	RSK1000-310/144			For main conductor L1, L2, L3
			002197			For protective or neutral conductor PE, PEN
			RSK1000-320/144			For main conductor L1, L2, L3
			002196			For protective or neutral conductor PE, N
		1600	RSK1600-300/144			For main conductor L1, L2, L3
			002198			
		1000	RPEN1000-010/144			For protective or neutral conductor PE, PEN
			002199			
			RPEN1000-020/144			For protective or neutral conductor PE, N
			002200			
		1600	RPEN1600-010/144			For protective or neutral conductor PE, PEN
			002202			
			RPEN1600-020/144			For protective or neutral conductor PE, N
			002201			

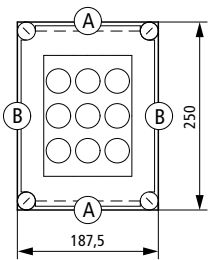
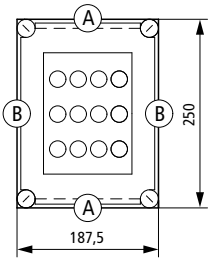
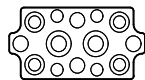
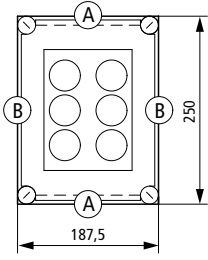
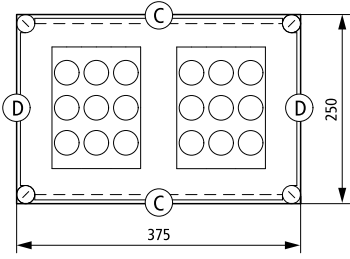
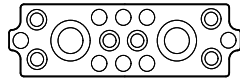
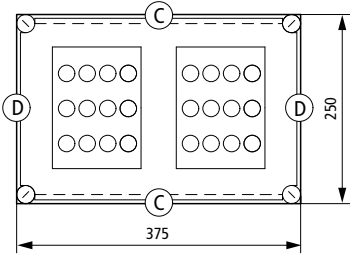
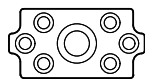
Notes

1)



2)

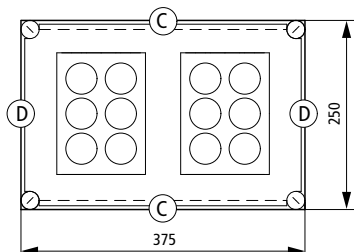
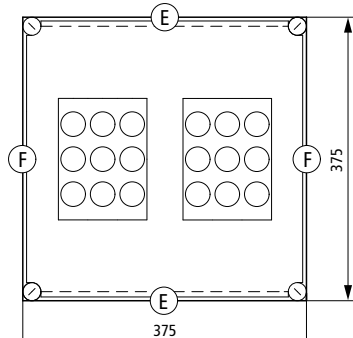
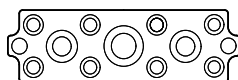
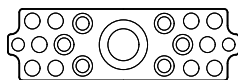
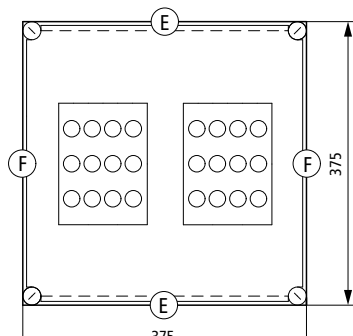
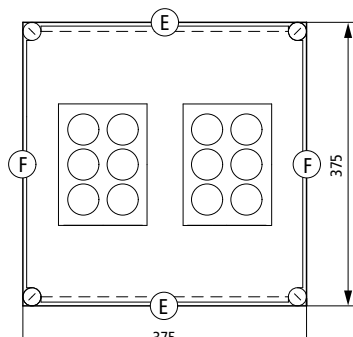


Dimensions	Rated operational current I_e	Rated operating voltage U_e	Max. fuse- link A	Fused circuits Number	PE and N terminals Number x Cross-section mm ²	Part no. Article no.	Price See price list	Std. pack	Notes
mm	A	V AC	A	Number	mm ²				
Individual fuse enclosures (RS...E: cover without opening, RS...T: cover with door)									
- Metric cable entry knockouts in all sides - Protection type IP65 - With 3-pole busbar mounting fuse base on busbars, replaceable from front - Transparent cover with quick-release fasteners - PE/N bars, protective shroud with inscription label - Fixing straps for wall fixing - Cover fasteners can be sealed, enclosure depth 150 mm									
	25	500	25, DII/ E27	9 x 1-pole 3 x 3 pole	On each 2 x (6 - 35) On each 9 x (1 - 6)	RS27/ I23E 013156		1 off	A  1 x M32/20 6 x M20 2 x M16
			25, DII/ E27	9 x 1-pole 3 x 3 pole	On each 2 x (6 - 35) On each 9 x (1 - 6)	RS27/ I23E/T 015529			
	63	400	35, D02/ E18	6 x 1-pole 4 x 3 pole	On each 2 x (6 - 35) On each 6 x (4 - 25)	RS18/ I23E 020275			B  2 x M32/20 4 x M25/16 4 x M20 4 x M16
			35, D02/ E18	6 x 1-pole 4 x 3 pole	On each 2 x (6 - 35) On each 6 x (4 - 25)	RS18/ I23E/T 017902			
	63	690	35, DIII/ E33	2 x 3 pole	On each 2 x (6 - 35) On each 2 x (4 - 25)	RS33/ I23E 022648			
			35, DIII/ E33	2 x 3 pole	On each 2 x (6 - 35) On each 2 x (4 - 25)	RS33/ I23E/T 025021			
	25	500	25, DII/ E27	18 x 1-pole 6 x 3 pole	On each 2 x (6 - 35) On each 18 x (1 - 6)	RS27/ I43E 029767			C  2 x M50/20 6 x M25/16 8 x M20
			25, DII/ E27	18 x 1-pole 6 x 3 pole	On each 2 x (6 - 35) On each 18 x (1 - 6)	RS27/ I43E/T 027394			
	63	400	35, D02/ E18	12 x 1-pole 8 x 3 pole	On each 2 x (6 - 35) On each 12 x (4 - 25)	RS18/ I43E 032140			D  1 x M50/32 6 x M25/16
			35, D02/ E18	12 x 1-pole 8 x 3 pole	On each 2 x (6 - 35) On each 12 x (4 - 25)	RS18/ I43E/T 034513			



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RS...I...E, RS...I...E/T

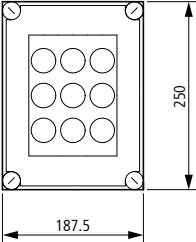
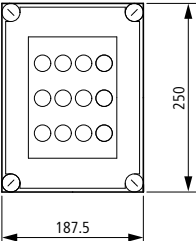
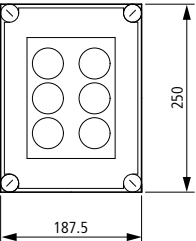
Dimensions	Rated operational current I_e	Rated operating voltage U_e	Max. fuse- link	Fused circuits	PE and N terminals Number x Cross-section	Part no. Article no.	Price See price list	Std. pack	Notes
mm	A	V AC	A	Number	mm ²				
Individual fuse enclosures (RS...E: cover without opening, RS...T: cover with door)									
	63	690	35, DIII/ E33	4 x 3 pole	On each 2 x (6 - 35) On each 4 x (4 - 25)	RS33/ I43E 039259		1 off	
			35, DIII/ E33	4 x 3 pole	On each 2 x (6 - 35) On each 4 x (4 - 25)	RS33/ I43E/T 036886			
	25	500	25, DII/ E27	18 x 1-pole 6 x 3 pole	On each 2 x (6 - 35) On each 18 x (1 - 6)	RS27/ I44E 001884			E  1 x M50/32 2 x M40/25 8 x M25/16 2 x M20
			25, DII/ E27	18 x 1-pole 6 x 3 pole	On each 2 x (6 - 35) On each 18 x (1 - 6)	RS27/ I44E/T 001885			F  1 x M63/40 6 x M25/16 10 x M20 2 x M16
	63	400	63, D02/ E18	12 x 1-pole 8 x 3 pole	On each 2 x (6 - 35) On each 12 x (4 - 25)	RS18/ I44E 001886			---PE/N bars
			63, D02/ E18	12 x 1-pole 8 x 3 pole	On each 2 x (6 - 35) On each 12 x (4 - 25)	RS18/ I44E/T 001887			Accessories for fuse enclosures → Page 20/46
	63	690	63, DIII/ E33	4 x 3 pole	On each 2 x (6 - 35) On each 12 x (4 - 25)	RS33/ I44E 001888			Fuses, fuse adapters and screw-on caps → Chapter 19: Circuit-breakers, fuses
			63, DIII/ E33	4 x 3 pole	On each 2 x (6 - 35) On each 12 x (4 - 25)	RS33/ I44E/T 001889			
Accessories									
Set of connecting links									
For connection of the busbars for RS.../I23, RS.../I43, RS.../I44E, 250 A for L1, L2, L3. Each set contains 3 links									
250	—	—	—	—	—	VBS-RS 002307		5 off	



Panel enclosures for fuses

RS...I...

HPL20052EN

Dimensions	Enclosure depth	Rated operational current	Rated operating voltage	Max. fuse-link	Fused circuits	Part no. Article no.	Price See price list	Std. pack
mm	mm	I _e A	U _e V AC	A	Number			
Panel enclosures for fuses								
- Sides closed, but with full area knockout, open top and bottom - Protection type IP65 - With 3-pole busbar mounting fuse base on busbars, replaceable from front - Transparent cover with quick-release fasteners - Protective shroud with inscription label - Sealable cover fasteners								
	150	25	500	25 A DII/E27	9 x 1-pole 3 x 3 pole	RS27/I23-125 074056		1 off
	175	25	500	25 A DII/E27	9 x 1-pole 3 x 3 pole	RS27/I23-150 005240		
	150	63	400	35 A D02/E18	6 x 1-pole 4 x 3 pole	RS18/I23-125 081175		
	175	63	400	35 A D02/E18	6 x 1-pole 4 x 3 pole	RS18/I23-150 007613		
	150	63	690	35 A DIII/E33	2 x 3 pole	RS33/I23-125 083548		
	175	63	690	35 A DIII/E33	2 x 3 pole	RS33/I23-150 014732		

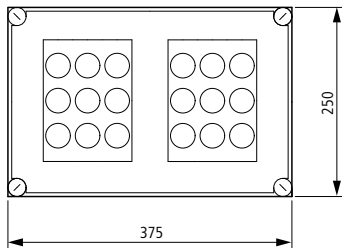
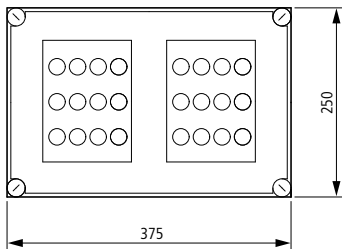
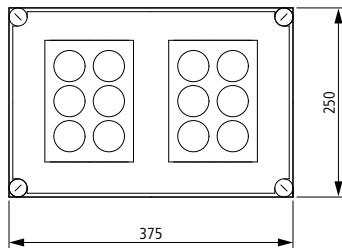
Notes

Accessories for fuse enclosures → Page 20/46

Fuses, fuse adapters and screw-on cap

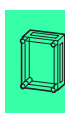
→ Chapter 19: Circuit-breakers, fuses

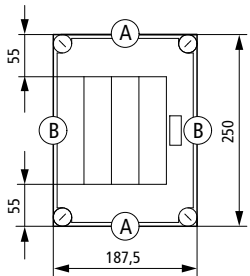
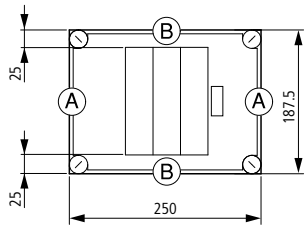
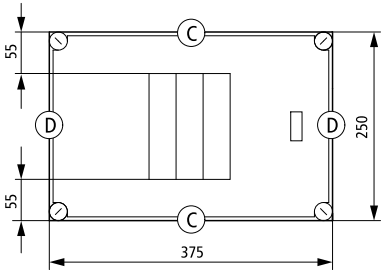
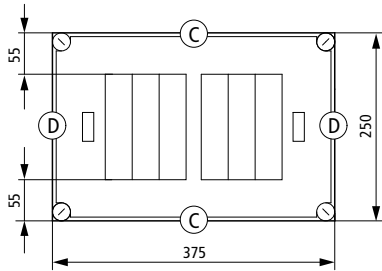


Dimensions	Enclosure depth	Rated operational current	Rated operating voltage	Max. fuse-link	Fused circuits	Part no. Article no.	Price See price list	Std. pack
mm	mm	I _e A	U _e V AC	A	Number			
Panel enclosures for fuses								
	150	25	500	25 A DII/E27	18 x 1-pole 6 x 3 pole	RS27/I43-125 090667		1 off
	225	25	500	25 A DII/E27	18 x 1-pole 6 x 3 pole	RS27/I43-200 024224		
	150	63	400	35 A D02/E18	12 x 1-pole 8 x 3 pole	RS18/I43-125 093040		
	225	63	400	35 A D02/E18	12 x 1-pole 8 x 3 pole	RS18/I43-200 026597		
	150	63	690	35 A DIII/E33	4 x 3 pole	RS33/I43-125 097786		
	225	63	690	35 A DIII/E33	4 x 3 pole	RS33/I43-200 033716		
Accessories								
Set of connecting links For connection of the busbars for RS.../I23, RS.../I43, RS.../I44E, 250 A for L1, L2, L3. Each set contains 3 links								
—	—	250	—	—	—	VBS-RS 002307		5 off

Notes

Accessories for fuse enclosures → Page 20/46
 Fuses, fuse adapters and screw-on cap
 → Chapter 19: Circuit-breakers, fuses



Dimensions	Rated operational current I_e A	Rated operational voltage U_e V AC	Fuse-link Sizes	5th terminal can be retrofitted (neutral conductor)	Part no. Article no.	Price See price list	Std. pack
mm							
Individual enclosures with LV h.b.c. fuse bases							
• Metric cable entry knockouts in all sides • Protection type IP65 • Transparent cover • Enclosure depth 150 mm • Terminal for connecting the 4th conductor (PEN) • Fuse base fitted to steel mounting plate • Fixing straps for wall fixing • Sealable cover fasteners							
	100	690	NH00	K50/1	GS00/I23E 027395		1 off
	100	690	NH00	K50/1	GS00/I23E-G 029768		1 off
	100	690	NH00	K50/1	GS00/I43E 032141		1 off
	160 100	500 690	NH00	K95/1N/BR	GS00-160/I43E 034514		1 off
	2 x 100	690	NH00	K50/1	2GS00/I43E 044006		1 off

Notes

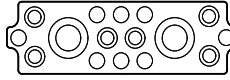
Fuse-links → Chapter 19: Circuit-breakers, fuses

A



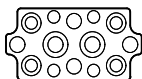
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6 x M20
2 x M16

C



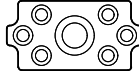
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6 x M25/16
8 x M20

B



2 x M32/20
4 x M25/16
4 x M20
4 x M16

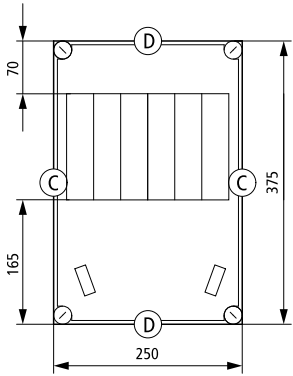
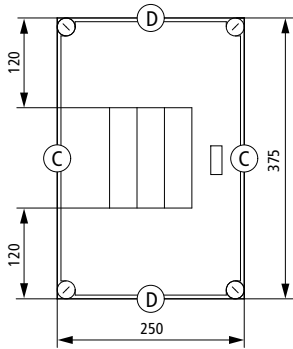
D



1 x M50/32
6 x M25/16

HPL20055EN

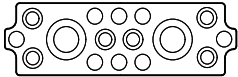
2GS00/I..., GS00/I...

Dimensions	Rated operational current I_e A	Rated operational voltage U_e V AC	Fuse-link Sizes	5th terminal can be retrofitted (neutral conductor)	Part no. Article no.	Price See price list	Std. pack
mm							
Individual enclosures with LV h.b.c. fuse bases							
	2 x 100	690	NH00	K50/1	2GS00/143E-G 041633		1 off
	100	690	NH00	K50/1	GS00/143E-G 039260		1 off
	160	500	NH00	K95/1N/BR	GS00-160/143E-G 036887		1 off
	100	690					

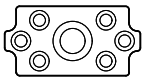
Notes

Fuse-links → Chapter 19: Circuit-breakers, fuses

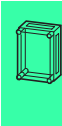
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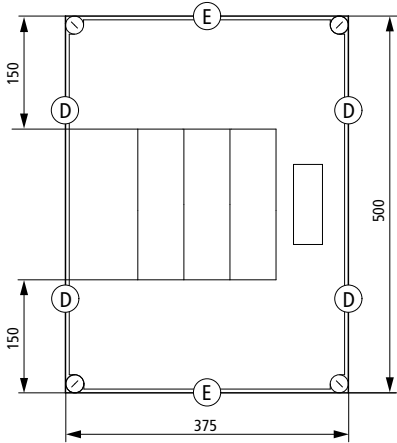
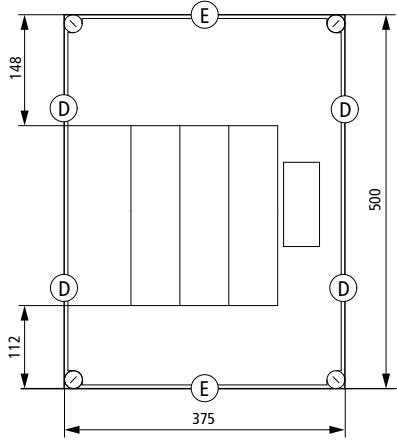
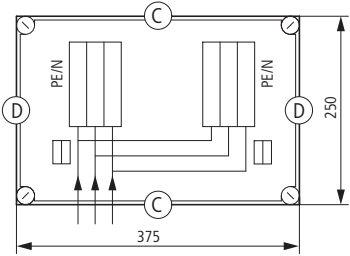


2 x M50/20
6 x M25/16
8 x M20
- D



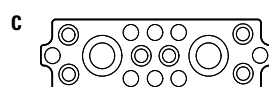
1 x M50/32
6 x M25/16



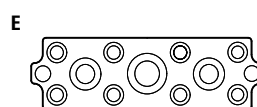
Dimensions	Rated operational current I_e A	Rated operational voltage U_e V AC	Fuse-link Sizes	5th terminal can be retrofitted (neutral conductor)	Part no. Article no.	Price See price list	Std. pack
mm							
Individual enclosures with LV h.b.c. fuse bases							
	250 200	500 690	NH1	K150/1	GS1/I45E 090148		1 off
	400 315	500 690	NH2	K240/1	GS2/I45E 090149		1 off
Two-way fuse box							
With parallel link between the incoming sides Incoming cable max. 35 mm ² Max. fuse-link 63 A							
	2 x 100	690	NH00	—	2GS00/I43E-V2K 046379		1 off

Notes

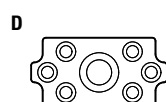
Fuse-links → Chapter 19: Circuit-breakers, fuses



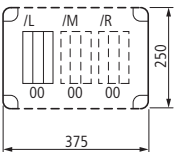
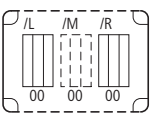
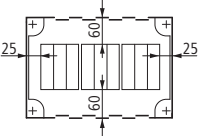
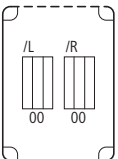
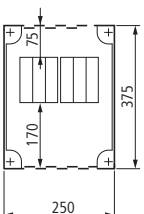
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6 x M25/16
8 x M20



1 x M50/32
2 x M40/25
8 x M25/16
2 x M20



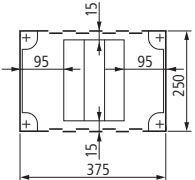
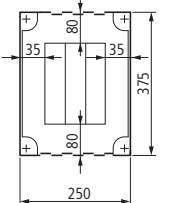
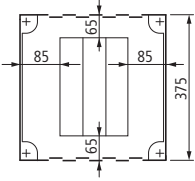
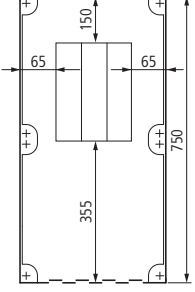
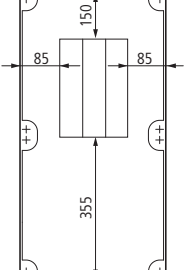
1 x M50/32
6 x M25/16

Dimensions	Fuse-link	Rated operational current	Rated operational voltage	Part no. Article no.	Price See price list	Std. pack	NH component	Basic enclosure Mounting system
mm	Sizes	I_e A	U_e V AC				Location	Basic unit W x H x D Other
Distribution board enclosures with LV h.b.c. fuse bases without PE/N terminals								
- Sides closed, but with full area knockout, open top and bottom - Transparent cover, cover fasteners can be sealed. - Protection type IP65 - Fuse base fitted to steel mounting plate - Mounting plate brought forward by 50 mm - Terminal for connecting the 4th conductor (PEN) - Stepped cable grommets → Page 20/29								
	NH00	100	690	GS00/143/L 067740		1 off	Left	CI43-200 L3-CI43
				GS00/143/M 070113			Centre	GS00(-160) HS 50-CI
				GS00/143/R 072486			Right	
		160	500	GS00-160/143/L 086724			Left	
				GS00-160/143/M 089097			Centre	
				GS00-160/143/R 091470			Right	
	NH00	2 x 100	690	2GS00/143/L/R 020281			Left Right	CI43-200 L3-CI43
				2GS00/143/L/M 022654			Left Centre	GS00(-160) HS 50-CI
				2GS00/143/M/R 025027			Centre Right	
		2 x 160	500	2GS00-160/143/L/R 010789			Left Right	
				2GS00-160/143/L/M 013162			Left Centre	
				2GS00-160/143/M/R 015535			Centre Right	
 	NH00	3 x 100	690	3GS00/143 029773			–	CI43-200 L3-CI43
		3 x 160	500	3GS00-160/143 017908			–	GS00(-160) HS 50-CI
		100	690	GS00/143-G/L 074859			Left	CI43-200 (rotated 90°)
		100	690	GS00/143-G/R 077232			Right	L3-CI43
		160	500	GS00-160/143-G/L 093843			Left	GS00(-160) HS 50-CI
		160	500	GS00-160/143-G/R 096216			Right	
	NH00	2 x 100	690	2GS00/143-G 027400			–	CI43-200 (rotated 90°)
		2 x 160	500	2GS00-160/143-G 098589			–	L3-CI43 GS00(-160) HS 50-CI

Notes

Fuse-links → Chapter 19: Circuit-breakers, fuses

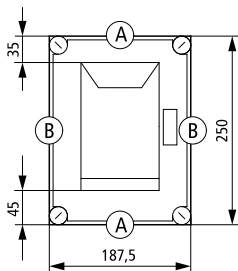
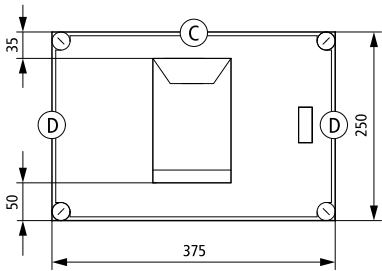
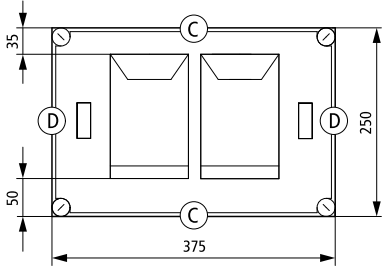


Dimensions	Fuse-link	Rated operational current	Rated operational voltage	Part no. Article no.	Price See price list	Std. pack	Basic enclosure Mounting system Basic unit W x H x D Other
mm	Sizes	I_e A	U_e V AC				
Distribution board enclosures with LV h.b.c. fuse bases without PE/N terminals - Sides closed, but with full area knockout, open top and bottom - Transparent cover, cover fasteners can be sealed. - Protection type IP65 - Fuse base fitted to steel mounting plate - Mounting plate brought forward by 50 mm - Terminal for connecting the 4th conductor (PEN) - Stepped cable grommets → Page 20/29							
	NH1	250 200	500 660 690	GS1/I43 034519		1 off	CI43-200 L3-CI43 GS1 HS 50-CI
	NH1	250 200	500 660 690	GS1/I43-G 036892			CI43-200 (rotated 90°) L3-CI43 GS1 HS 50-CI
	NH2	315 315	500 660 690	GS2/I44 039265			CI44-200 L3-CI43 GS2 HS 50-CI
	NH2	400 315	500 660 690	GS2/I48 041638			CI48-200 L3-CI43 GS2 HS 50-CI
	NH3	500 400	500 660 690	GS3/I48 044011			CI48-200 L3-CI43 GS3 HS 50-CI

Notes

Fuse-links → Chapter 19: Circuit-breakers, fuses



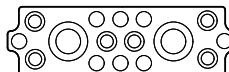
Dimensions	Enclosure depth	Rated operational current	Rated operational voltage	Fuse-link	5th terminal can be retrofitted (neutral conductor)	Part no. Article no.	Price See price list	Std. pack
mm	mm	I _e A	U _e V AC	Sizes				
Individual enclosures with LV h.b.c. fuse switch-disconnector								
• Metric cable entry knockouts in all sides • Protection type IP65 • Transparent cover • Terminal for connecting the 4th conductor (PEN) • Fuse switch-disconnector fitted to steel mounting plate • Fixing straps for wall fixing • Sealable cover fasteners								
						GSTA00/I23E 048752		1 off
						GSTA00/I43E 051125		
						GSTA00-160/I43E 053498		
						2GSTA00/I43E 070109		

Notes

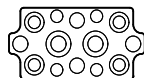
Fuse-links → Chapter 19: Circuit-breakers, fuses

A

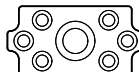
1 x M32/20
6 x M20
2 x M16

C

2 x M50/20
6 x M25/16
8 x M20

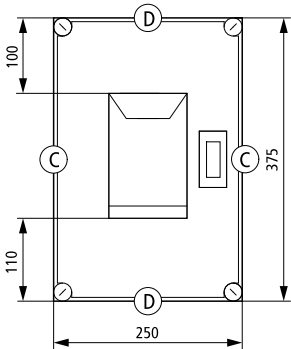
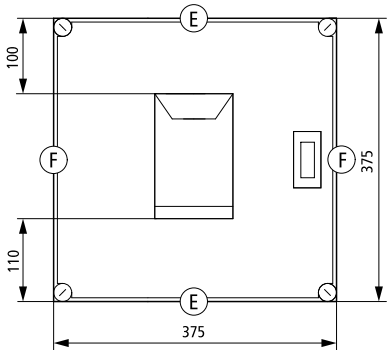
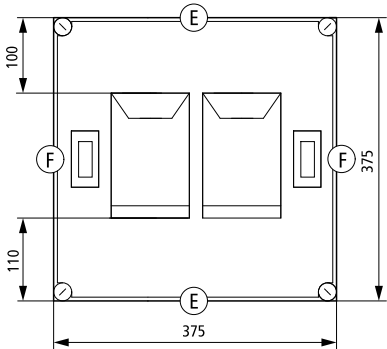
B

2 x M32/20
4 x M25/16
4 x M20
4 x M16

D

1 x M50/32
6 x M25/16



Dimensions	Enclosure depth	Rated operational current	Rated operational voltage	Fuse-link	5th terminal can be retrofitted (neutral conductor)	Part no. Article no.	Price See price list	Std. pack
mm	mm	I _e A	U _e V AC	Sizes				
Individual enclosures with LV h.b.c. fuse switch-disconnector								
• Metric cable entry knockouts in all sides • Protection type IP65 • Transparent cover • Terminal for connecting the 4th conductor (PEN) • Fuse switch-disconnector fitted to steel mounting plate • Fixing straps for wall fixing • Sealable cover fasteners								
	150	100	690	NH00	K50/1	GSTA00/143E-G 058244		1 off
	150	160 100	500 690	NH00	K95/1N/BR	GSTA00-160/143E-G 055871		
	150	100	690	NH00	K50/1	GSTA00/144E 060617		
	150	160 100	500 690	NH00	K95/1N/BR	GSTA00-160/144E 062990		
	150	2 x 100	690	NH00	K50/1	2GSTA00/144E 067736		
	150	2 x 160 2 x 100	500 690	NH00	K95/1N/BR	2GSTA00-160/144E 065363		

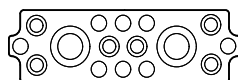


Dimensions	Enclosure depth	Rated operational current	Rated operational voltage	Fuse-link	5th terminal can be retrofitted (neutral conductor)	Part no. Article no.	Price See price list	Std. pack
mm	mm	I _e A	U _e V AC	Sizes				
Individual enclosures with LV h.b.c. fuse switch-disconnector								
	225	250 200	500 690	NH1	K150/1	GSTA1/I45E 090150		1 off
	225	400 315	500 690	NH2	K240/1	GSTA2/I45E 090151		1 off

Notes

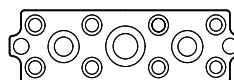
Fuse-links → Chapter 19: Circuit-breakers, fuses

C



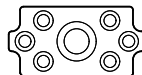
2 x M50/20
6 x M25/16
8 x M20

E



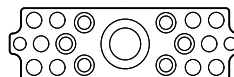
1 x M50/32
2 x M40/25
8 x M25/16
2 x M20

D



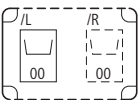
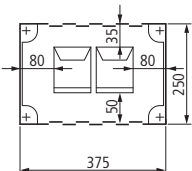
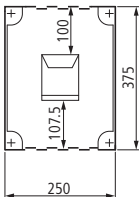
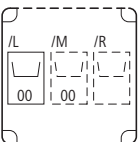
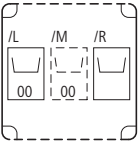
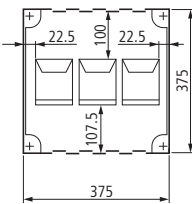
1 x M50/32
6 x M25/16

F



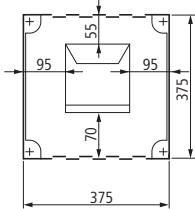
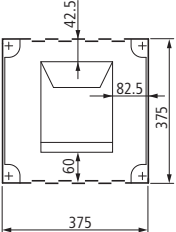
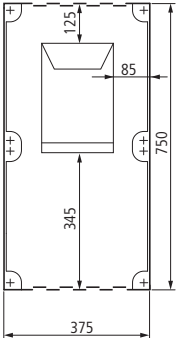
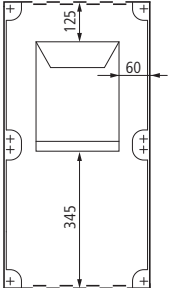
1 x M63/40
6 x M25/16
10 x M20
2 x M16



Dimensions	Fuse-link	Rated operational current	Rated operational voltage	Part no. Article no.	Price See price list	Std. pack	NH component Location	Basic enclosure Mounting system Basic unit W x H x D Other
mm	Sizes	I _e A	U _e V AC					
Distribution board enclosures with LV h.b.c. fuse switch-disconnectors - Sides closed, but with full area knockout, open top and bottom - Transparent cover, cover fasteners can be sealed. - Protection type IP65 - Fuse base fitted to steel mounting plate - Mounting plate brought forward by 50 mm - Terminal for connecting the fourth conductor (PEN) - Stepped cable grommets → Page 20/29								
	NH00	100	660	GSTA00/143/L 046384		1 off	Left	CI43-200 L3-CI43
		100	690	GSTA00/143/R 048757			Right	GSTA00(-160) HS 50-CI
		160	500	GSTA00-160/143/L 034520			Left	
		160	500	GSTA00-160/143/R 036893			Right	
	NH00	2 x 100	660	2GSTA00/143 060622			Left	CI43-200
		2 x 160	500	2GSTA00-160/143 053504			Right	L3-CI43
	NH00	100	660	GSTA00/143-G 058249			Left	GSTA00(-160) HS 50-CI
		160	500	GSTA00-160/143-G 055877			Right	
	NH00	100	660	GSTA00/144/L 051130			Centre	CI43-200 (rotated 90°)
				GSTA00/144/M 053503			Centre	L3-CI43
				GSTA00/144/R 055876			Centre	GSTA00(-160) HS 50-CI
		160	500	GSTA00-160/144/L 039266			Left	
				GSTA00-160/144/M 041639			Centre	
				GSTA00-160/144/R 044012			Right	
	NH00	2 x 100	660	2GSTA00/144/L/R 062995			Left	CI44-200
				2GSTA00/144/L/M 065368			Right	L3-CI43
				2GSTA00/144/M/R 067741			Left	GSTA00(-160) HS 50-CI
		2 x 160	500	2GSTA00-160/144/L/R 046385			Centre	
				2GSTA00-160/144/L/M 048758			Right	
				2GSTA00-160/144/M/R 051131			Left	
	NH00	3 x 100	660	3GSTA00/144 070114			Left	CI44-200
	NH00	3 x 160	500	3GSTA00-160/144 058250			Centre	L3-CI43
							Right	GSTA00(-160) HS 50-CI

Notes

Fuse-links → Chapter 19: Circuit-breakers, fuses

Dimensions	Fuse-link	Rated operational current	Rated operational voltage	Part no. Article no.	Price See price list	Std. pack	Basic enclosure Mounting system Basic unit W x H x D Other
mm	Sizes	I _e A	U _e V AC				
Distribution board enclosures with LV h.b.c. fuse switch-disconnectors							
	NH1	250 200	500 660 690	GSTA1/I44 013163		1 off	CI44-200 L3-CI43 GSTA1 HS 50-CI
	NH2	315 315	500 660 690	GSTA2/I44 015536			CI44-200 L3-CI43 GSTA2 HS 50-CI
	NH2	400 315	500 660 690	GSTA2/I48 017909			CI48-200 L3-CI43 GSTA2 HS 50-CI
	NH3	500 400	500 660 690	GSTA3/I48 020282			CI48-200 L3-CI43 GSTA3 HS 50-CI

Notes

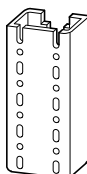
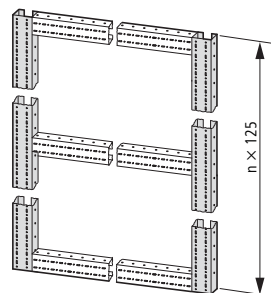
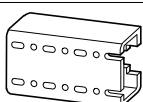
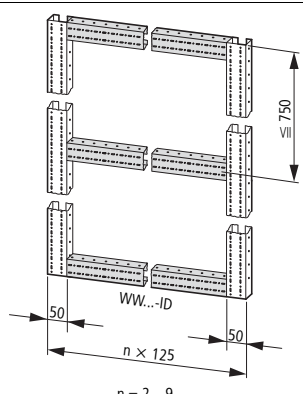
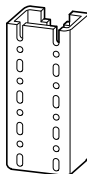
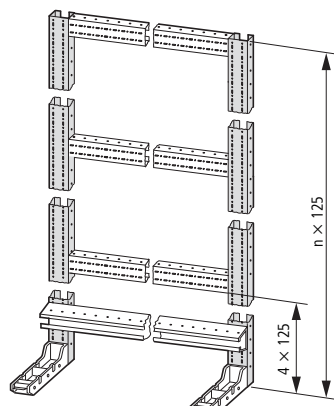
Fuse-links → Chapter 19: Circuit-breakers, fuses



Mounting frames

WS...-ID, WW...-ID

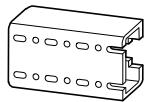
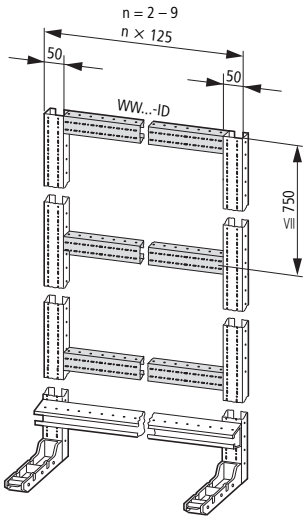
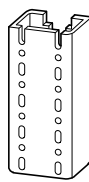
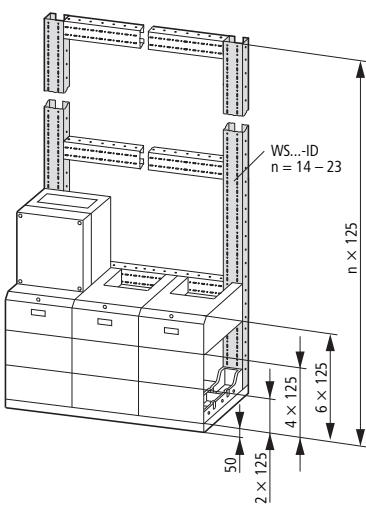
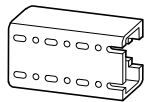
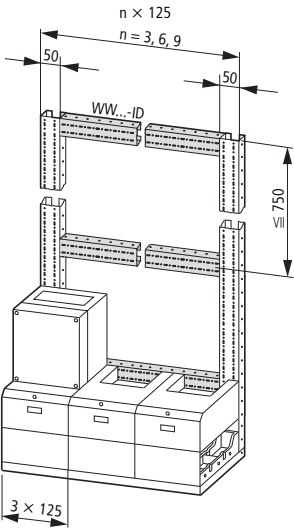
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	125 mm grid spacing Quantity	Length mm	For use with	Part no. Article no.	Price See price list	Std. pack
Section for mounting frames						
- Galvanized C sections - Order fixing screws separately						
For wall-mounting distribution system						
Vertical section (outside)						
	6 x 125	750		WS6-ID 098594		1 off
	7 x 125	875		WS7-ID 010794		1 off
	8 x 125	1000		WS8-ID 013167		1 off
	9 x 125	1125		WS9-ID 015540		1 off
	10 x 125	1250		WS10-ID 017913		1 off
	11 x 125	1375		WS11-ID 020286		1 off
	12 x 125	1500		WS12-ID 022659		5 off
	13 x 125	1625		WS13-ID 025032		1 off
	14 x 125	1750		WS14-ID 027405		1 off
	15 x 125	1875		WS15-ID 029778		1 off
Horizontal profiles						
	2 x 125	150		WW2-ID 041643		5 off
	3 x 125	275		WW3-ID 044016		5 off
	4 x 125	400		WW4-ID 046389		5 off
	5 x 125	525		WW5-ID 048762		5 off
	6 x 125	650		WW6-ID 051135		1 off
	7 x 125	775		WW7-ID 053508		5 off
	8 x 125	900		WW8-ID 055881		1 off
	9 x 125	1025		WW9-ID 058254		1 off
	For wall-mounting distribution system supported on the floor					
Vertical section (outside)						
	10 x 125	1250		WS10-ID 017913		1 off
	11 x 125	1375		WS11-ID 020286		1 off
	12 x 125	1500		WS12-ID 022659		5 off
	13 x 125	1625		WS13-ID 025032		1 off
	14 x 125	1750		WS14-ID 027405		1 off
	15 x 125	1875		WS15-ID 029778		1 off
	16 x 125	2000		WS16-ID 032151		1 off
	17 x 125	2125		WS17-ID 034524		1 off
	18 x 125	2250		WS18-ID 036897		1 off
	19 x 125	2375		WS19-ID 039270		1 off

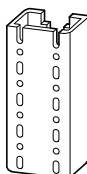
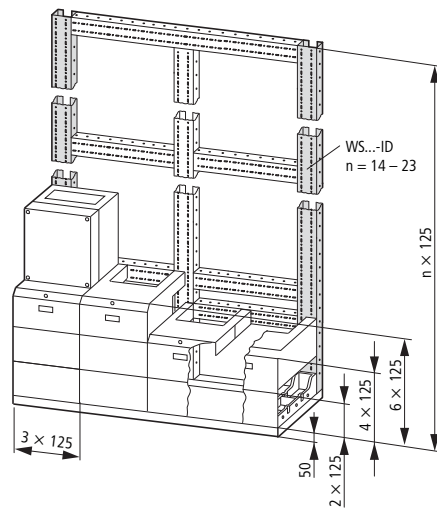
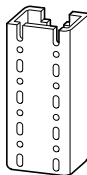
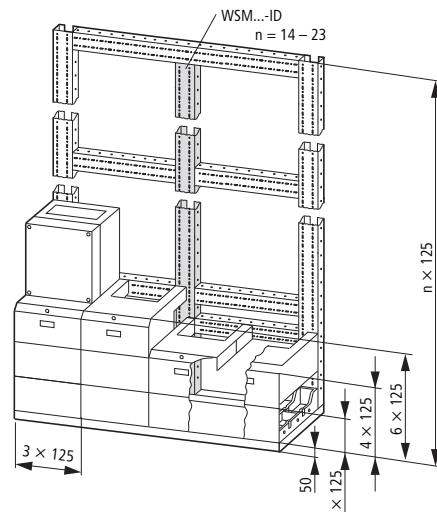
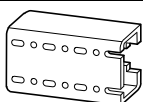
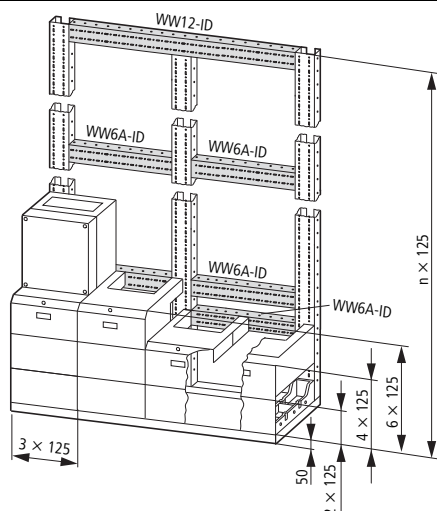
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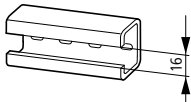
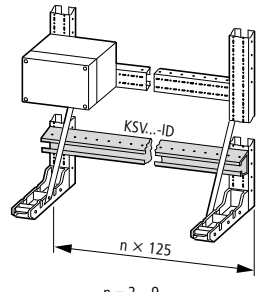
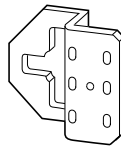
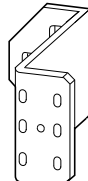
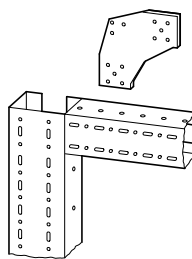
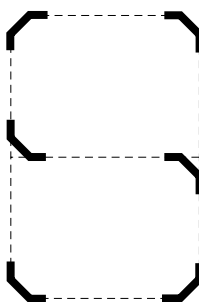
Mounting frames

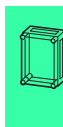
WS...-ID, WW...-ID

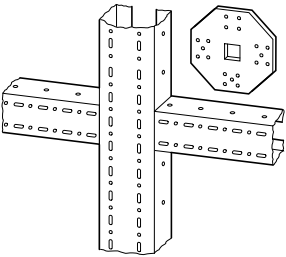
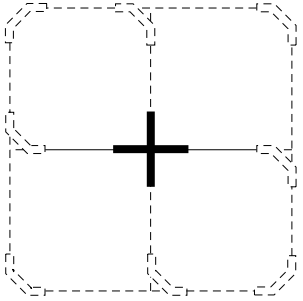
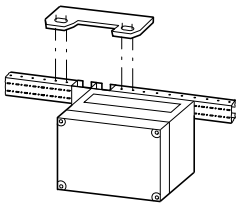
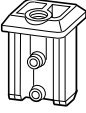
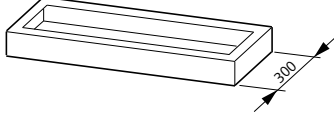
	125 mm grid spacing Quantity	Length mm	For use with	Part no. Article no.	Price See price list	Std. pack
Section for mounting frames						
- Galvanized C sections - Order fixing screws separately						
Horizontal profiles						
	2 x 125	150		WW2-ID 041643		5 off
	3 x 125	275		WW3-ID 044016		5 off
	4 x 125	400		WW4-ID 046389		5 off
	5 x 125	525		WW5-ID 048762		5 off
	6 x 125	650		WW6-ID 051135		1 off
	7 x 125	775		WW7-ID 053508		5 off
	8 x 125	900		WW8-ID 055881		1 off
	9 x 125	1025		WW9-ID 058254		1 off
For floor-standing distribution boards, 3 panels wide						
Vertical section (outside)						
	14 x 125	1750		WS14-ID 027405		1 off
	15 x 125	1875		WS15-ID 029778		1 off
	16 x 125	2000		WS16-ID 032151		1 off
	17 x 125	2125		WS17-ID 034524		1 off
	18 x 125	2250		WS18-ID 036897		1 off
	19 x 125	2375		WS19-ID 039270		1 off
	20 x 125	2500		WS20-ID 034525		1 off
	21 x 125	2625		WS21-ID 036898		5 off
	22 x 125	2750		WS22-ID 039271		5 off
	23 x 125	2875		WS23-ID 041644		1 off
Horizontal profiles						
	3 x 125	275		WW3-ID 044016		5 off
	6 x 125	650		WW6-ID 051135		1 off
	9 x 125	1025		WW9-ID 058254		1 off



	125 mm grid spacing Quantity	Length mm	For use with	Part no. Article no.	Price See price list	Std. pack
Section for mounting frames						
- Galvanized C sections - Order fixing screws separately						
For floor-standing distribution boards, 4 panels wide						
Vertical section (outside)						
	14 x 125	1750		WS14-ID 027405		1 off
	15 x 125	1875		WS15-ID 029778		1 off
	16 x 125	2000		WS16-ID 032151		1 off
	17 x 125	2125		WS17-ID 034524		1 off
	18 x 125	2250		WS18-ID 036897		1 off
	19 x 125	2375		WS19-ID 039270		1 off
	20 x 125	2500		WS20-ID 034525		1 off
	21 x 125	2625		WS21-ID 036898		5 off
	22 x 125	2750		WS22-ID 039271		5 off
	23 x 125	2875		WS23-ID 041644		1 off
Vertical section (centre)						
	14 x 125	1700		WSM14-ID 044017		5 off
	15 x 125	1825		WSM15-ID 046390		5 off
	16 x 125	1950		WSM16-ID 048763		5 off
	17 x 125	2075		WSM17-ID 051136		5 off
	18 x 125	2200		WSM18-ID 053509		5 off
	19 x 125	2325		WSM19-ID 055882		5 off
	20 x 125	2450		WSM20-ID 058255		5 off
	21 x 125	2575		WSM21-ID 060628		5 off
	22 x 125	2700		WSM22-ID 063001		5 off
	23 x 125	2825		WSM23-ID 065374		5 off
Horizontal profiles						
	6 x 125	675		WW6A-ID 067747		1 off
	12 x 125	1400		WW12-ID 070120		1 off

	125 mm grid spacing Quantity	Length mm	For use with	Part no. Article no.	Price See price list	Std. pack
Cable anchoring rails						
For T-slot cleats						
	2 x 125	250		KSV2-ID 060627		1 off
	3 x 125	375		KSV3-ID 063000		1 off
	4 x 125	500		KSV4-ID 065373		1 off
	5 x 125	625		KSV5-ID 067746		1 off
	6 x 125	750		KSV6-ID 070119		5 off
	7 x 125	875		KSV7-ID 072492		1 off
	8 x 125	1000		KSV8-ID 074865		1 off
	9 x 125	1125		KSV9-ID 077238		5 off
For use with				Part no. Article no.	Price See price list	Std. pack
Wall fixing bracket						
• Including fixing material • For wall-mounting distribution system						
	To secure the mounting frame at a distance of 12 mm from the wall			WBW12-ID 001925		4 off
	To secure the mounting frame at a distance of 25 mm from the wall Floor-standing distribution board top mount			WBW25-ID 081983		10 off
	To secure the mounting frame at a distance of 100 mm from the wall Floor-standing distribution board top mount			WBW100-ID 084356		10 off
Corner plate for wall-mounting and floor-standing distribution boards						
• For the connection of horizontal and vertical sections • Including fixing material						
				EVB-ID 002299		10 off

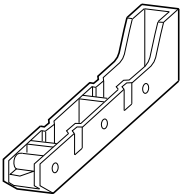
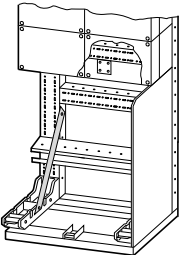
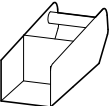
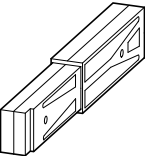
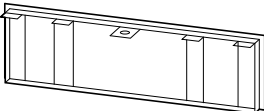


	For use with	For use with	Part no. Article no.	Price See price list	Std. pack
Cross plates for wall-mounting and floor-standing distribution boards					
- For the connection of horizontal and vertical sections - Including fixing material					
	—		KVB-ID 002300		10 off
Assembly bracket					
- For the connection of distribution boards and for transport units - Including fixing material					
	Wall-mounting distribution board top and bottom on WW... section Wall-mounting distribution board 2 off, floor-standing distribution board 1 off		ARB-ID 002302		10 off
	For enclosure assembly at transport splits	—	VS-TR-CI 002330		25 off
Lifting eye fixing					
For securing TOR-GG eyebolts, M12 thread					
	Wall-mounting distribution boards, floor-standing distribution boards Mounting in WS... vertical profiles	—	TOB-ID 093848		10 off
Lifting eyes kit					
For lift eye fix, M12 thread					
	Wall-mounting distribution boards, floor-standing distribution boards For fixing using TOB-ID to the vertical sections One set consists of 4 lifting eyes	—	TOR-GG 048276		1 off
Fixing screw					
For securing CI enclosures to the sections					
	For securing CI enclosures to wall fixing brackets W... and to profiles WS..., WW...	—	LT284-M6X20-C 050325		100 off
Plinths					
For mounting floor-standing distribution boards					
	Width 375 mm	—	SS5-ID0375 079611		1 off
	Width 750 mm	—	SS5-ID0750 081984		1 off
	Width 1125 mm	—	SS5-ID1125 084357		1 off
	Width 1500 mm	—	SS5-ID1500 086730		1 off
Spray can for CI enclosure covers					
For painting covers, color RAL 7032 Contents 400 ml/300 g					
		—	SP-CI-RAL7032 005741		1 off

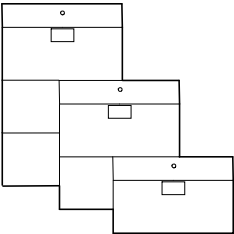
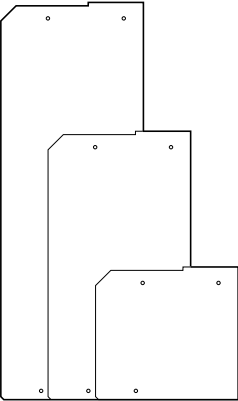
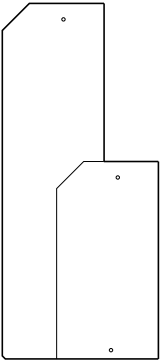
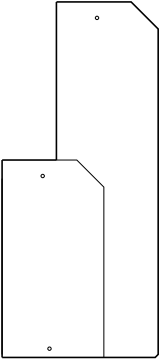
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Accessories

STR...-ID

For use with		Part no. Article no.	Price See price list	Std. pack
Foot				
For fixing to the floor				
	Left and right on base SS5-ID (on SS5-ID1500 also in middle)	FHF-ID 089103		2 off
Support struts				
For floor-standing distribution boards to support the vertical section on the floor				
	For plinth height 50 cm	STR50-ID 072493		1 off
	For plinth height 75 cm	STR75-ID 074866		1 off
Strap				
For the connection of distribution boards (and with transport splits)				
	In the base, 1 off for base heights ≤ 50 cm 2 off for plinth heights 75 cm	LPS-ID 086731		5 off
Foot prop				
Supports for the front plate (bottom)				
• 1 off per section width				
	Between the externally fitted FHF-ID feet	SLHF-ID 091476		5 off
Support brackets				
Support bracket for the top plate				
• 2 off per section width				
	—	HDP-ID 093849		5 off
Support bracket				
Additional fixing for the HPD-ID holder				
	For SS5-ID0375: 0 off For SS5-ID0750: 1 off For SS5-ID1125: 2 off For SS5-ID1500: 2 off	SWHDP-ID 032152		5 off
Top plate				
• Simultaneous support for the front plate (top)				
• 1 off per section width				
	—	DP-ID 096222		5 off



For use with	Part no. Article no.	Price See price list	Std. pack
Cable compartment cladding			
Front plates - For covering the plinth area (cabling area) 1 off per section width			
	Height 750 mm	FP75-ID 013168	2 off
	Height 500 mm	FP50-ID 010795	4 off
	Height 250 mm	FP25-ID 098595	4 off
Enclosure side plates - Cover for external sides - Can be fitted to left or right			
	Height 750 mm	SWRL75-ID 020287	1 off
	Height 500 mm	SWRL50-ID 017914	1 off
	Height 250 mm	SWRL25-ID 015541	1 off
Intermediate plates For cover between base of different heights			
Right side			
	Between plinth heights 750 mm - 250 mm	ZPR50-ID 022660	1 off
	Between plinth heights of 750 mm - 500 mm or 500 mm - 230 mm	ZPR25-ID 025033	1 off
Left side			
	Between plinth heights 750 mm - 250 mm	ZPL50-ID 029779	1 off
	Between plinth heights of 750 mm - 500 mm or 500 mm - 230 mm	ZPL25-ID 027406	1 off

Engineering

Enclosure size selection

Enclosure measurements

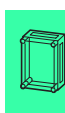
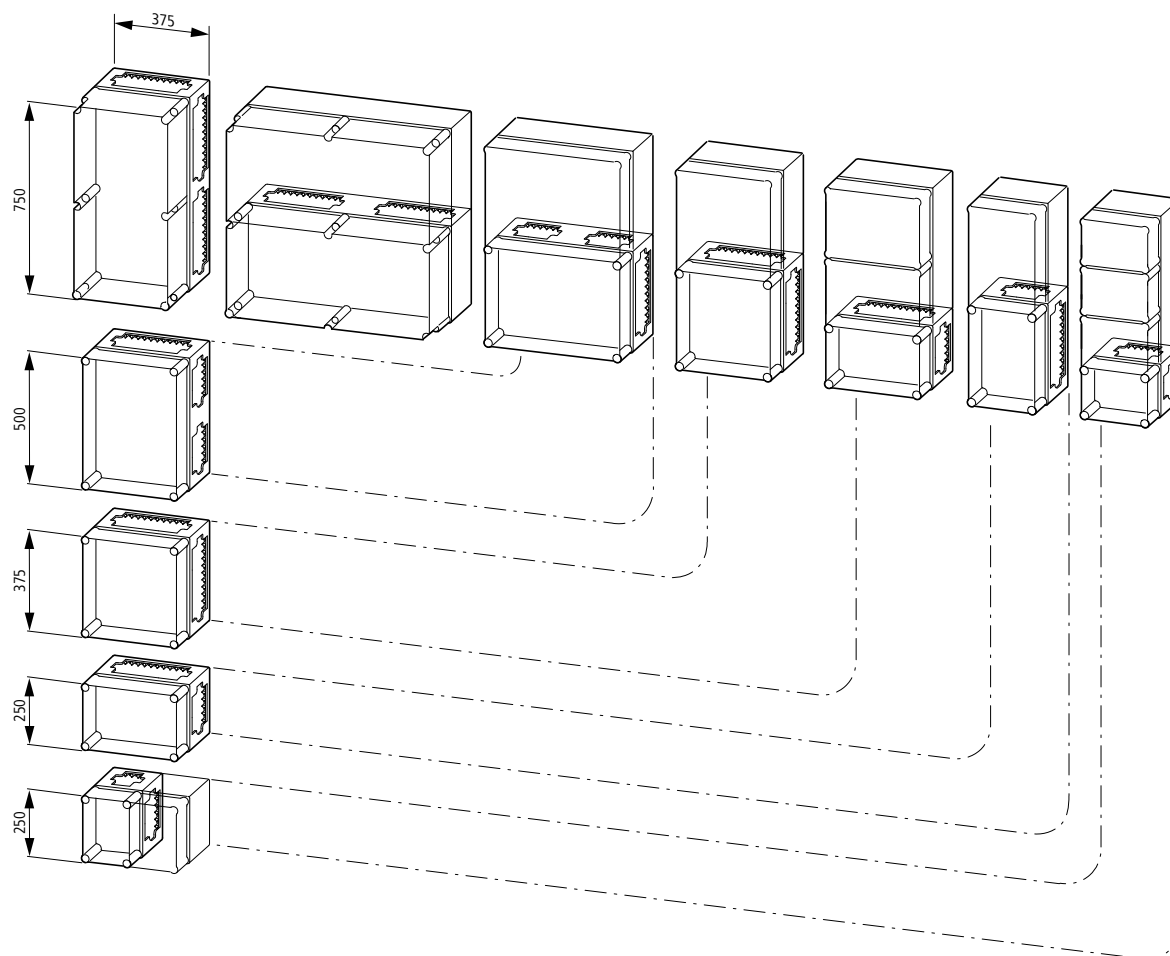
Width:
187.5 mm
375 mm

Height:
250 mm
375 mm
500 mm
750 mm

Suitable for distribution board systems with section widths in 375 mm grid. Rotation of enclosure by 90° allows section widths in 250 mm grid.

With various cover depths, four standardized mounting depths can be implemented in a 25 mm grid (upper edge of mounting plate to lower edge of cover):

125 mm
150 mm
200 mm
250 mm



Basic enclosures

CI..., U-CI

Mounting of switchgear in distribution board enclosures

To install LV h.b.c. fuse bases, switch-disconnectors and circuit-breakers, pre-drilled mounting plates are available. In some cases, additional spacers HS50-CI are required.

The following table gives the largest number of devices that can be installed.

PE and N terminals for the distribution board enclosures have not been included.

Device	Rated operational current	Max. no. of devices installable in distribution board combinations						Pre-drilled mounting plate or mounting plate	Spacer
									
		CI43(E)-200	CI43(E)-200 (rotated by 90°)	CI44(E)-200	CI45(E)-200	CI48(E)-200	CI48(E)-250		
	A	Number	Number	Number	Number	Number	Number		

LV h.b.c. fuse bases

GS00-160	100, 160	3	2	3	3			L3-CI43	HS50-CI
GS1	250	1	1	1	1			L3-CI43	HS50-CI
GS2	400	-	-	1	1	1		L3-CI43	HS50-CI
GS3	500	-	-	-	1	1		L3-CI43	HS50-CI

LV h.b.c. fuse switch-disconnectors

GSTA00-160	100, 160	2	1	3	3			L3-CI43	HS50-CI
GSTA1	250	-	-	1	1			L3-CI43	HS50-CI
GSTA2	400	-	-	1	1	1		L3-CI43	HS50-CI
GSTA3	500	-	-	-	1	1		L3-CI43	HS50-CI

Switch-disconnectors, circuit-breakers¹⁾

NZM1	160	2	1	2	2			M3-CI...	-
NZM2	250	1	1	2	2			M3-CI...	-
NZM3	630	-	-	-	1	1	1	M3-CI...	-
NZM4	1600	-	-	-	-	-	1	M3-CI...	-

Notes

¹⁾ Switches and accessories → Chapter 17: Compact circuit-breakers NZM, compact switch-disconnectors N up to 1600 A

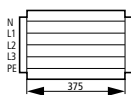
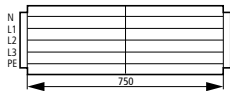
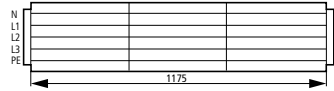
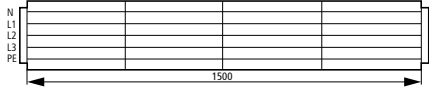


Overview of busbar systems up to 1600 A (CI..., RS..., SKA...)

Rated operational current I_e A	Busbar cross-section		Busbar center-to-center distance mm	Surface-mounting devices		
	L1, L2, L3 mm	PE, N, PEN mm		RS...3-50	GST...00	GSTA...
160	12 x 5	12 x 5	40	-	●	-
250	20 x 5	20 x 5	50	●	●	●
400	20 x 10	20 x 5	50	●	●	●
630	20 x 15	20 x 10	50	●	●	●
1000	2 x 30 x 10	30 x 10	-	-	-	-
1600	3 x 40 x 10	2 x 20x15	-	-	-	-

- 5-conductor system up to 400 A with 1/1 cross-section possible
- 5-conductor system up to 630 A L1 - L3 with 1/1 cross-section, PE/N with 1/2 cross-section
- 25 A to 400 A fuses for mounting on busbar system up to 630 A
- Tinned copper busbars from 160 A to 630 A

Selection diagrams up to 630 A
up to 5-pole (with or without fitted components)
 (CI..., SKA...)

Busbar system in CI enclosure: Assembled from individual components for 1 up to 4 CI enclosures	Rated operational current A	Part no.						
		CI44-200	SH0635/4	CU20X5 ¹⁾	CU20X10 ¹⁾	CU20X15 ¹⁾²⁾	FL4-X	BS4-CI
	250	1	2	1.875	-	-	2	-
	400	1	2	0.75	1.125	-	2	-
	630	1	2	-	0.75	1.125	2	-
	250	2	3	3.75	-	-	2	1
	400	2	3	1.50	2.25	-	2	1
	630	2	3	-	1.50	2.25	2	1
	250	3	4	5.625	-	-	2	2
	400	3	4	2.25	3.375	-	2	2
	630	3	4	-	2.25	3.375	2	2
	250	4	5	7.50	-	-	2	3
	400	4	5	3.00	4.50	-	2	3
	630	4	5	-	3.00	4.50	2	3

Notes

- ¹⁾ In meters; applies for 5-pole system
²⁾ Assemble from CU20X10 and CU20X5

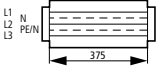
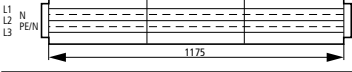
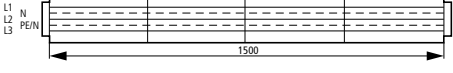


3-pole with fitted components

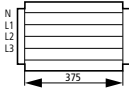
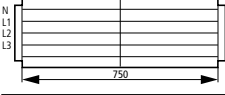
(5-pole without fitted components possible)

630 A-system max. 3 pole

(CI..., SKA...)

Busbar system in CI enclosure: Assembled from individual components for 1 up to 4 CI enclosures	Rated operational current A	Part no.						
		CI43-200	SH0635/3	CU20X5 ¹⁾	CU20X10 ¹⁾	CU20X15 ¹⁾²⁾	FL4-X	BS4-CI
	250	1	2	1.875	-	-	2	-
	400	1	2	0.75	1.125	-	2	-
	630	1	2	-	-	1.125	2	-
	250	2	3	3.75	-	-	2	1
	400	2	3	1.50	2.25	-	2	1
	630	2	3	-	-	2.25	2	1
	250	3	4	5.625	-	-	2	2
	400	3	4	2.25	3.375	-	2	2
	630	3	4	-	-	3.375	2	2
	250	4	5	7.50	-	-	2	3
	400	4	5	3.00	4.50	-	2	3
	630	4	5	-	-	4.50	2	3

Notes¹⁾ In meters; applies for 5-pole system²⁾ Assemble from CU20X10 and CU20X5 → 630 A system 3-pole only**Selection diagrams up to 1000 A
up to 5 pole (CI..., SKA...)**

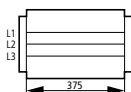
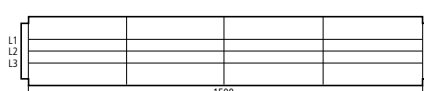
Busbar system in CI enclosure: Assembled from individual components for 1 up to 4 CI enclosures	Rated operational current A	Part no.				
		CI44-200	SH1005/4	CU30X10 ¹⁾	FL4-X	BS4-CI ¹⁾
	1000	1	2	3.00	2	-
	1000	2	3	6.00	2	1
	1000	3	4	9.00	2	2
	1000	4	5	12.00	2	3

Notes¹⁾ In meters; applies for 5-pole system

To achieve even current loading (and heating) of the individual busbars, they must be connected in parallel with busbar terminals at a maximum spacing of 375 mm. Incoming and outgoing terminals are parallel switching points.



Selection diagrams up to 1600 A 3 pole

Busbar system in CI enclosure: Assembled from individual components for 1 up to 4 CI enclosures	Operating current A	Part no.				
		CI44-200	SH1603/4	CU40X10 ¹⁾	FL4-X	BS4-CI
	1600	1	2	3.375	2	-
	1600	2	3	6.75	2	1
	1600	3	4	10.125	2	2
	1600	4	5	13.50	2	3

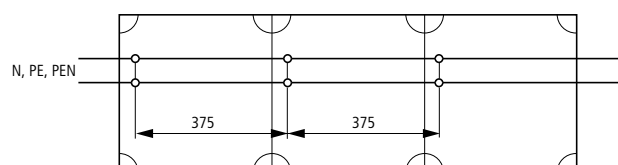
Notes

¹⁾ In meters; applies for 5-pole system

To achieve even current loading (and heating) of the individual busbars, they must be connected in parallel with busbar terminals at a maximum spacing of 375 mm. Incoming and outgoing terminals are parallel switching points.

N, PE, PEN at 1600 A

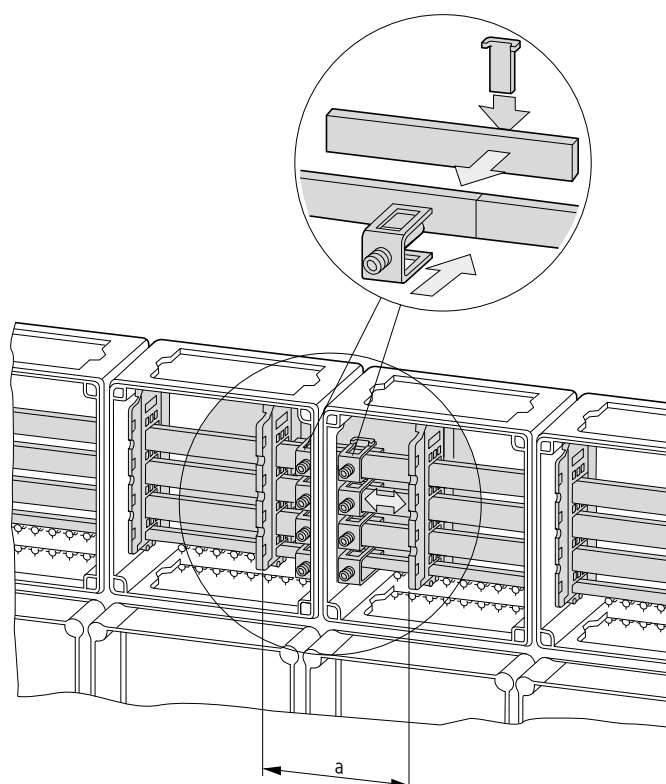
In the 1600 A busbar system, two CU20X15 are each used as N, PE and PEN conductor. For an even current load, connect the busbars in parallel with a spacing of no more than 375 mm.



Transport split, busbar connection

With transport splits the busbar supports are offset from the knockouts to the enclosure inner and secured with an additional holder. This reduces the mounting area for components fitted on the busbars by distance 'a' between the busbar supports.

In end enclosures, transport splits should always be fitted to facilitate subsequent expansion.



**Clearance between busbar supports
with transport split, busbar coupling kits**

Busbar support	Busbar system	Additional support bracket for busbar support	Clearance between busbar support mm	Terminal L1, L2, L3	N, PE, PEN
SH0165/2	160 A, 5 pole	HSH0632	125	K12X5-1	K12X5-1
SH0635/3	250 A, 5 pole	HSH-CI	175	K20X5	K20X5
	400 A, 5 pole	HSH-CI	175	K20X10	K20X5
	630 A, 3 pole	HSH-CI	125	K20X10	-
SH0635/4	250 A, 5 pole	HSH-CI	125	K20X5	K20X5
	400 A, 5 pole	HSH-CI	125	K20X10	K20X5
	630 A, 5 pole	HSH-CI	125	K20X10	K20X10
SH1005/4	1000 A, 5 pole	HSH-CI	125	AVS30L	AVS30PEN
SH1603/4	1600 A, 3 pole	HSH-CI	125	AVS40	-
SH0632		HSH0632	~170	-	K12X5, K20X5

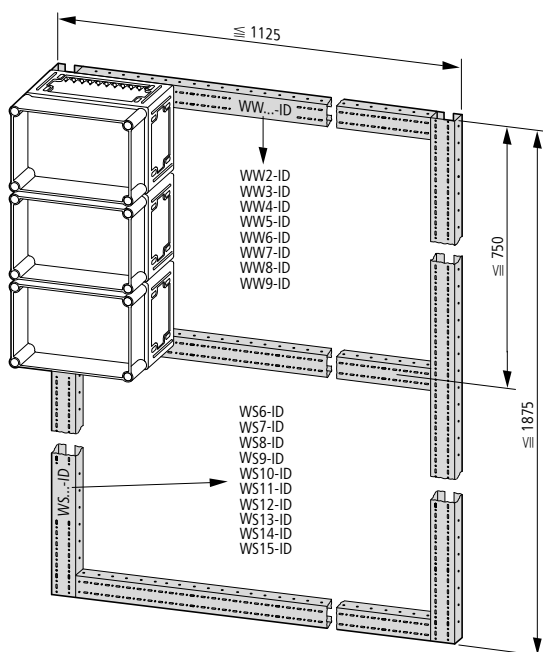
For fitting a busbar support outside the knockouts, 2 × HSH-CI or 2 × HSH0632 are required. Exception: For SH0632 only 1 × HSH0632 is required.



Mounting frame selection

WW...-ID, WS...-ID

Wall-mounted distributor



Profiles are selected in a 125 mm grid according to enclosure widths or heights.

Vertical sections:

WS...-ID

Number of 125 mm "steps"
= 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
Vertical wall profile

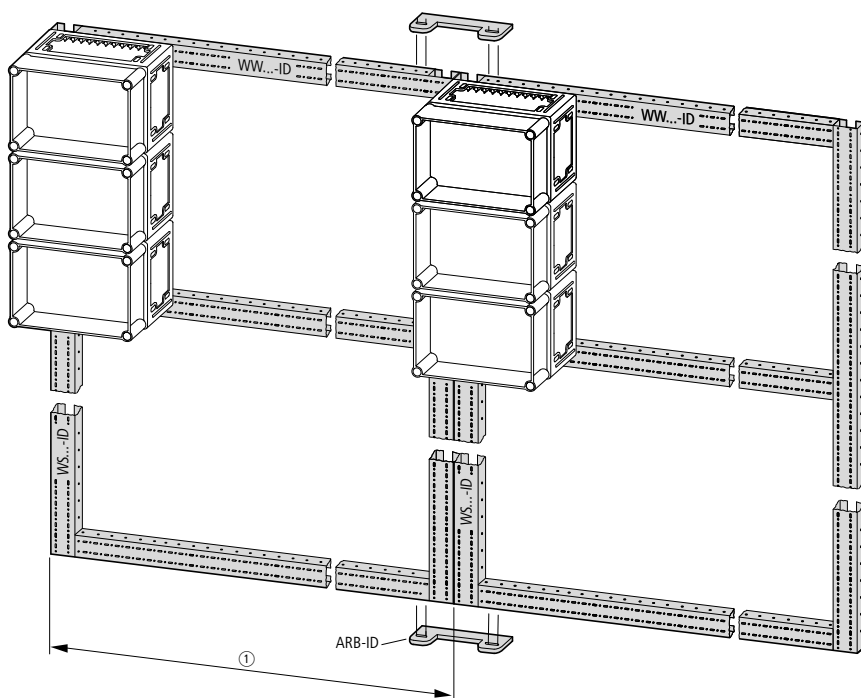
Horizontal section:

WW...-ID

Number of 125 mm "steps"
= 2, 3, 4, 5, 6, 7, 8, 9
Horizontal wall profile

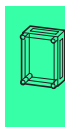
Vertical and horizontal profiles are connected with corner plates EVB-ID and cross plates KVB-ID (order separately).

The vertical profiles of the supporting frame are wall-mounted with two wall fixing brackets WBW...-ID each (order separately).

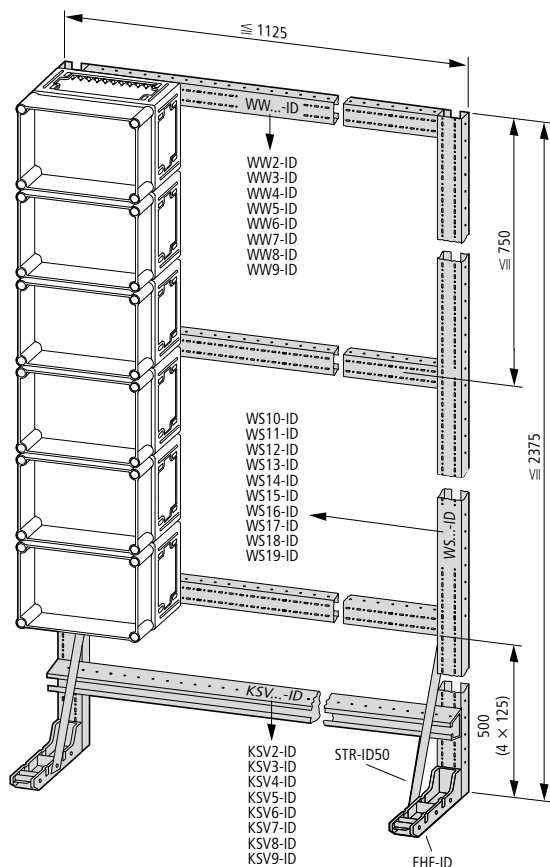


Where wall-mounted distribution boards wider than 1125 mm are required, these are split into several transportation units. The wall-mounted profiles are mechanically interconnected at the top or bottom with the help of an assembly bracket ARB-ID.

① Transport unit



Wall-mounting distribution board, supported on the floor



Profiles are selected in a 125 mm grid according to enclosure widths or heights. For vertical profiles, an additional 500 mm (4 × 125 mm) must be added (for KSV...).

Vertical sections:

WS...-ID

Number of 125 mm "steps"
= 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
Vertical wall profile

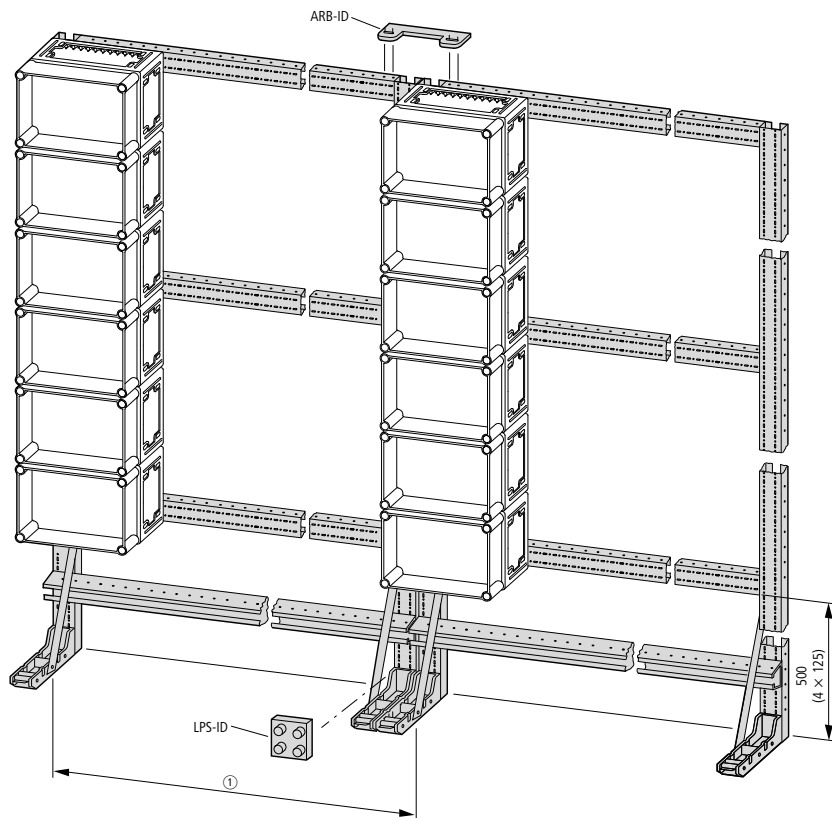
Horizontal section:

WW...-ID

Number of 125 mm "steps"
= 2, 3, 4, 5, 6, 7, 8, 9
Horizontal wall profile

Vertical and horizontal profiles are connected with corner plates EVB-ID and cross plates KVB-ID (order separately).

The vertical profiles of the supporting frame are wall-mounted with two wall fixing brackets WBW...-ID each (order separately).

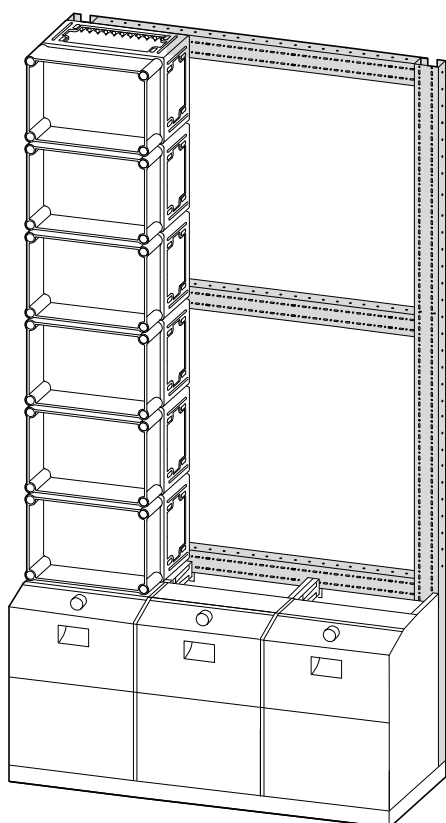


Where larger wall-mounted distribution boards are required, these are split into several transportation units. The wall-mounted profiles are mechanically interconnected with the help of an assembly bracket ARB-ID and straps LPS-ID.

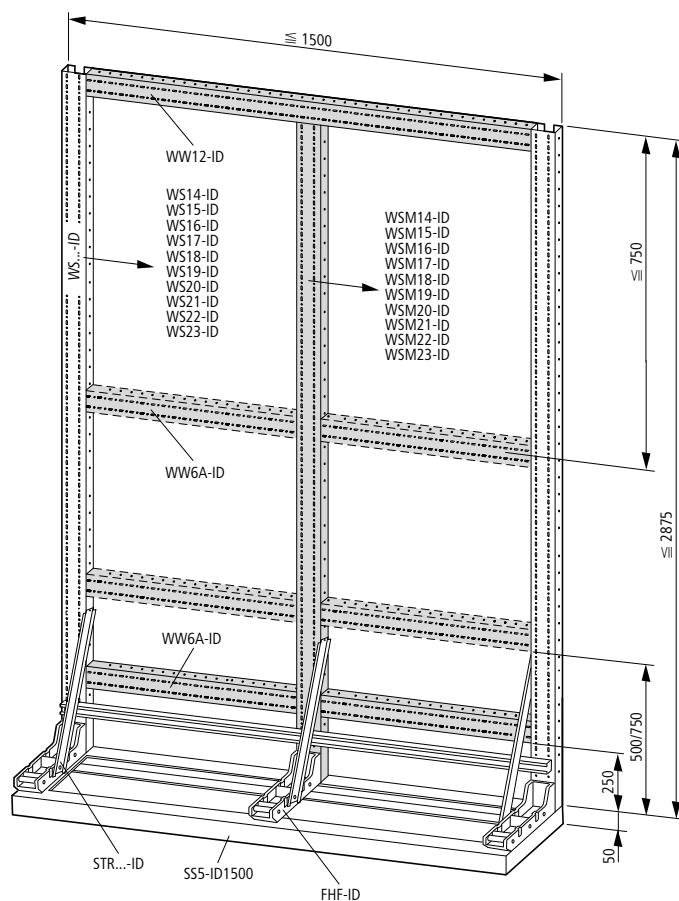
① Transport unit

Floor-standing distributor

Larger distribution systems are assembled on support frames and laid out as floor-standing distribution boards with cable compartment cladding.



Floor-standing distribution board with 4 section width



Profiles are selected in a 125 mm grid according to enclosure widths or heights.

Vertical sections:

WS...-ID

Number of 125 mm "steps"

= 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

Vertical wall profile

Horizontal section:

WW...-ID

Number of 125 mm "steps"

= 2, 3, 4, 5, 6, 7, 8, 9

Horizontal wall profile

For distribution boards wider than 1500 mm a vertical center profile is required in addition. The horizontal profiles are then correspondingly smaller.

WSM...-ID

Number of 125 mm "steps"

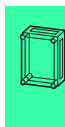
= 14, 15, 16, 17, 18, 19, 20, 21, 22, 23

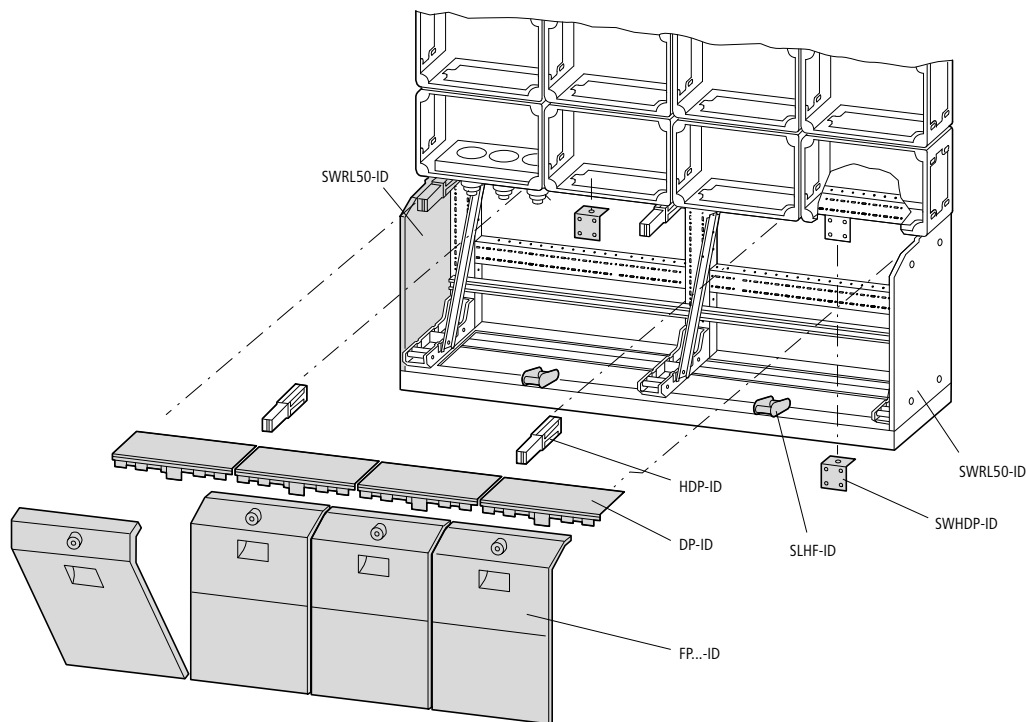
Vertical center wall profile

Vertical and horizontal profiles are connected with corner plates EVB-ID and cross plates KVB-ID (order separately).

The vertical profiles of the supporting frame are wall-mounted with two wall fixing brackets WBW...-ID each (order separately).

When mounting very heavy devices, e.g. NZM4, a reinforced framework is recommended. This can be achieved with the addition of a further center profile WSM...-ID and a foot FHF-ID.



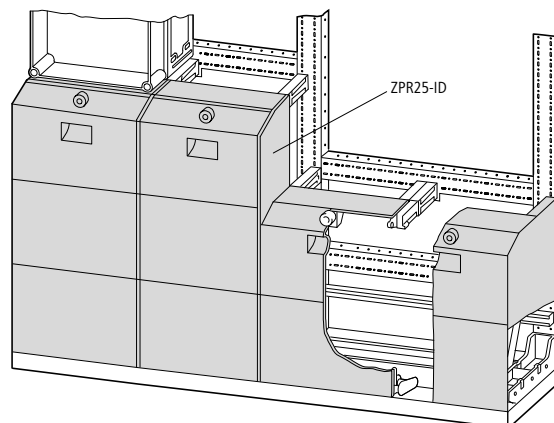
Cable compartement cladding for floor-standing distribution board

Floor-standing distribution boards are mounted on a base. Three cable compartment heights (250 mm, 500 mm and 750 mm plus 50 mm for the base) are available for inserting, sorting and marshalling cables. In addition, the base contains internal cable anchoring rails for T-foot clips. The front of the cable compartments is closed off with insulating front plates.

Combinability:

In addition, cable compartments of different heights can be combined. The side openings are closed off with intermediate plates. Left and righthand versions are available. The height is the difference of the different front plates.

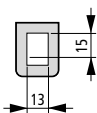
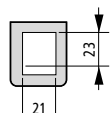
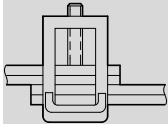
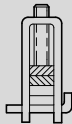
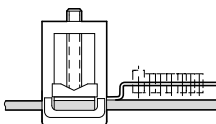
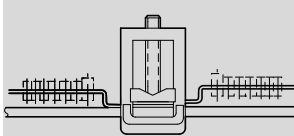
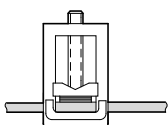
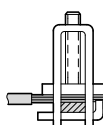
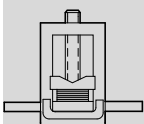
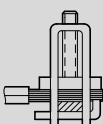
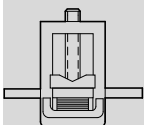
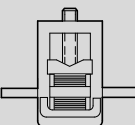
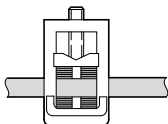
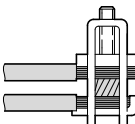
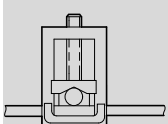
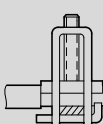
- ZP...-ID**
- R = right-hand intermediate plate
 - 25 = 250 mm high intermediate plate
 - 25 = 500 mm high intermediate plate
 - L = left-hand intermediate plate

**Tested to EN 60 439-4**

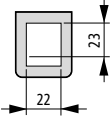
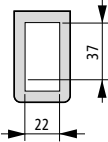
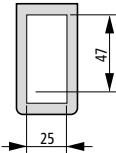
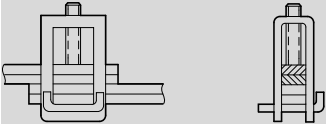
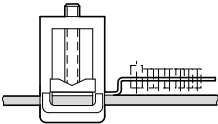
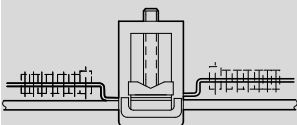
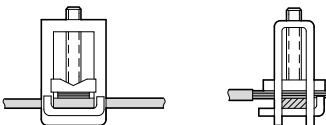
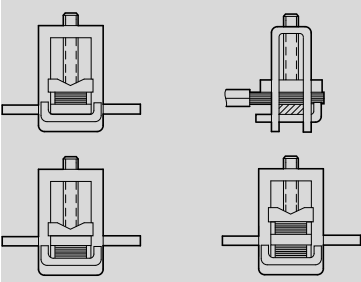
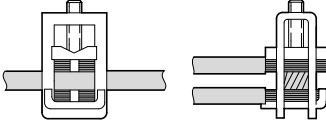
Individual enclosure CI...X-... and distribution board assembled from CI enclosures up to 630 A fulfil the additional requirements of EN 60 439-4. They are therefore suited for socket combinations and as system components for site distribution boards.



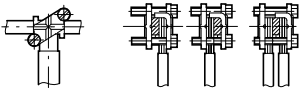
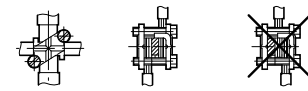
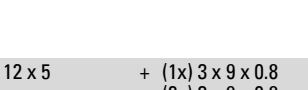
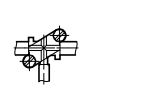
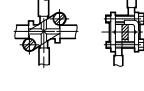
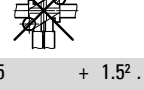
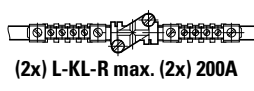
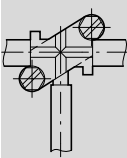
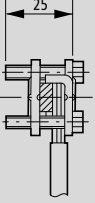
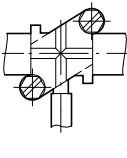
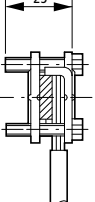
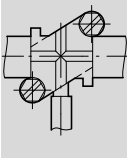
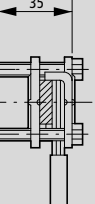
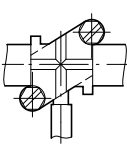
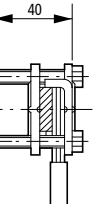
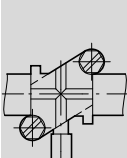
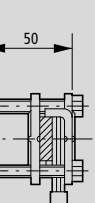
Connections to busbars

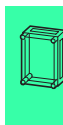
Type of connection	Terminal type K 12 x 5-1		K 12 x 5-2	
				
Copper busbar with Copper busbar	(2x) 12 x 5		(2x) 12 x 5 (3x) 12 x 5	
				
				
Copper busbar with (1x) strap L-KL-R (can be fitted with AK 16, AK 35)	(1x) 12 x 5	+ L-KL-R	(1x) 12 x 5 (2x) 12 x 5	+ L-KL-R
				
Copper busbar with (2x) strap L-KL-R (can be fitted with AK 16, AK 35)	-		(1x) 12 x 5 (2x) 12 x 5	+ (2x) L-KL-R
				
Copper busbar with copper strip	12 x 5	+ 3 x 9 x 0.8 6 x 9 x 0.8	12 x 5	3 x 9 x 0.8 6 x 9 x 0.8 9 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8
				
				
Copper busbar with (2x) copper strip	-		12 x 5	+ (2x) 3 x 9 x 0.8 (2x) 4 x 16 x 0.8
				
				
				
				
Copper busbar with (4x) copper strip	-		12 x 5	+ (4x) 3 x 9 x 0.8
				
				
Copper busbar with round copper conductor ¹⁾	12 x 5	+ 16 ² ... 25 ²	12 x 5	+ 25 ²
				
				

¹⁾ Flexible with ferrule


Type of connection	Terminal type K 20 x 5		K 20 x 10		K 20 x 15	
						
Copper busbar with Copper busbar	(2x) 20 x 5 (2x) 20 x 10		(2x) 20 x 5 (2x) 20 x 10 (2x) 20 x 15		(2x) 20 x 10 (2x) 20 x 15	
						
Copper busbar with (1x) strap L-KL-R (can be fitted with AK 16, AK 35)	(1x) 20 x 5 (2x) 20 x 5 (1x) 20 x 10	+ L-KL-R	(1x) 20 x 5 (2x) 20 x 5 (1x) 20 x 10 (2x) 20 x 10 (1x) 20 x 15	+ L-KL-R	(2x) 20 x 10 (1x) 20 x 15 (2x) 20 x 15	+ L-KL-R
						
Copper busbar with (2x) strap L-KL-R (can be fitted with AK 16, AK 35)	(1x) 20 x 5	+ (2x) L-KL-R	(1x) 20 x 5 (2x) 20 x 5 (1x) 20 x 10 (2x) 20 x 10 (1x) 20 x 15	+ (2x) L-KL-R	(2x) 20 x 10 (1x) 20 x 15 (2x) 20 x 15	+ (2x) L-KL-R
						
Copper busbar with copper strip	20 x 5	+ 3 x 9 x 0.8 6 x 9 x 0.8 9 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8	20 x 5 20 x 10 20 x 15	+ 3 x 9 x 0.8 6 x 9 x 0.8 9 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8 11 x 21 x 1	20 x 5 20 x 10 20 x 15	+ 10 x 16 x 0.8 11 x 21 x 1 3 x 9 x 0.8 6 x 9 x 0.8 9 x 9 x 0.8 4 x 16 x 0.8 6 x 16 x 0.8 10 x 16 x 0.8 11 x 21 x 1
						
Copper busbar with (2x) copper strip	20 x 5	+ 2x) 3 x 9 x 0.8 (2x) 4 x 16 x 0.8	20 x 5 20 x 10 20 x 15	+ 2x) 3 x 9 x 0.8 (2x) 6 x 9 x 0.8 (2x) 9 x 9 x 0.8 (2x) 4 x 16 x 0.8 (2x) 6 x 16 x 0.8 (2x) 10 x 16 x 0.8 + (2x) 3 x 9 x 0.8 (2x) 6 x 9 x 0.8 (2x) 9 x 9 x 0.8 (2x) 4 x 16 x 0.8 (2x) 6 x 16 x 0.8 + (2x) 3 x 9 x 0.8 (2x) 6 x 9 x 0.8 (2x) 4 x 16 x 0.8 (2x) 6 x 16 x 0.8	20 x 5 20 x 10 20 x 15	+ (2x) 6 x 9 x 0.8 (2x) 9 x 9 x 0.8 (2x) 6 x 16 x 0.8 (2x) 10 x 16 x 0.8 (2x) 11 x 21 x 1 + (2x) 3 x 9 x 0.8 (2x) 6 x 9 x 0.8 (2x) 9 x 9 x 0.8 (2x) 4 x 16 x 0.8 (2x) 6 x 16 x 0.8 (2x) 10 x 16 x 0.8 (2x) 11 x 21 x 1
						
Copper busbar with (4x) copper strip	20 x 5	+ (4x) 3 x 9 x 0.8	20 x 5 20 x 10 20 x 15	+ 4x) 3 x 9 x 0.8 (4x) 6 x 9 x 0.8 (4x) 9 x 9 x 0.8 + (4x) 3 x 9 x 0.8 (4x) 6 x 9 x 0.8	20 x 5 20 x 10 20 x 15	+ (4x) 6 x 9 x 0.8 (4x) 9 x 9 x 0.8
						



Terminal type	Type of connection Copper busbar with copper strip		Copper busbar with round conductor ¹⁾		Copper busbar with strap L-KL-R (can be fitted with AK 16, AK 35)	
	  		  		 (1x) L-KL-R max. 200A  (2x) L-KL-R max. (2x) 200A	
K 12 x 5/25  	12 x 5	+ (1x) 3 x 9 x 0.8 (2x) 3 x 9 x 0.8 (1x) 6 x 9 x 0.8 (2x) 6 x 9 x 0.8 (1x) 4 x 16 x 0.8 (2x) 4 x 16 x 0.8 (1x) 6 x 16 x 0.8 (2x) 6 x 16 x 0.8	12 x 5	+ 1.5 ² ... 6 ²	12 x 5	+ (1x) L-KL-R (2x) L-KL-R
K 20 x 5/25  	20 x 5	+ (1x) 3 x 9 x 0.8 (2x) 3 x 9 x 0.8 (1x) 6 x 9 x 0.8 (2x) 6 x 9 x 0.8 (1x) 4 x 16 x 0.8 (2x) 4 x 16 x 0.8 (1x) 6 x 16 x 0.8 (2x) 6 x 16 x 0.8	20 x 5	+ 1.5 ² ... 6 ²	20 x 5	+ (1x) L-KL-R (2x) L-KL-R
K 20 x 10/35  	20 x 5 20 x 10	+ (1x) 3 x 9 x 0.8 (2x) 3 x 9 x 0.8 (1x) 6 x 9 x 0.8, (2x) 6 x 9 x 0.8 (1x) 9 x 9 x 0.8 (2x) 9 x 9 x 0.8 (1x) 4 x 16 x 0.8 (2x) 4 x 16 x 0.8 (1x) 6 x 16 x 0.8 (2x) 6 x 16 x 0.8 (1x) 10 x 16 x 0.8 (2x) 10 x 16 x 0.8	20 x 10	+ 1.5 ² ... 6 ²	20 x 10	+ 1x) L-KL-R (2x) L-KL-R
K 20 x 15/40  	20 x 5 20 x 10 20 x 15	+ (1x) 3 x 9 x 0.8 (2x) 3 x 9 x 0.8 (1x) 6 x 9 x 0.8 (2x) 6 x 9 x 0.8 (1x) 9 x 9 x 0.8 (2x) 9 x 9 x 0.8 (1x) 4 x 16 x 0.8 (2x) 4 x 16 x 0.8 (1x) 6 x 16 x 0.8 (2x) 6 x 16 x 0.8 (1x) 10 x 16 x 0.8 (2x) 10 x 16 x 0.8 + (1x) 11 x 21 x 1	20 x 5 20 x 10 20 x 15	+ 1.5 ² ... 6 ²	20 x 5 20 x 10 20 x 15	+ (1x) L-KL-R (2x) L-KL-R
K 20 x 15/50  	20 x 15	+ (1x) 11 x 21 x 1 (2x) 11 x 21 x 1	20 x 15	+ 1.5 ² ... 6 ²	20 x 15	+ (1x) L-KL-R (2x) L-KL-R

¹⁾ Flexible with ferrule

Technical data

		CI23...	CI43...	CI44...	CI45...	CI48...
General						
Standards		IEC/EN 60529 EN 50262 DIN 43656 DIN 43660 EN 60439-4 for individual CI...X enclosures and distribution boards assembled from CI enclosures up to 680 A. Can therefore be used for socket combinations and as components for site distribution boxes.				
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30				
Ambient temperature	°C	-40 - 80				
Protection type		IP65				
Radiated heat dissipation						
		→ Page 20/86				
Additional technical data for UL/CSA approved devices		See UL report File No. E54120 → Chapter 23				
Material properties						
Material						
Base		Glass-fibre reinforced polycarbonate				
Cover		Non-reinforced polycarbonate				
Surface treatment		Corrosion-resistant				
Color						
Base		RAL 7032, pebble grey				
Cover		Transparent, opaque or RAL 7032, pebble grey				
Material properties						
Electrical						
Creepage resistance to IEC 60112						
Base		KB160, KC175				
Cover		KB100, KC200				
Surface treatment to IEC 60093	$\Omega \times 10^{13}$	> 1				
Dielectric strength to IEC 60243-1	kV/mm	30				
Thermal						
Continuous thermal stability						
Housing	°C	-40...120				
Enclosure bolt	°C	85				
Sealing	°C	80				
Mechanical						
IK code to EN 50102		Please enquire				
Load bearing capacity	kg	5	10	20	30	40
Chemical resistance						
Resistant		Acids < 10 %, mineral oil, alcohol, petrol, grease, saline solutions				
Partially resistant		Acids > 10 %				
Non-resistant		Alkalis, paraffin				
Atmospheric						
Saline spray		IEC 60068-2-11				
UV resistance		Beneath protective canopy				
Water absorption to EN ISO 62	%	0.29				
Flammability characteristics						
Glow wire to VDE 0471 Part 2	°C	960				
UL						
Base		UL94V1				
Cover		UL94V2				
Halogen free		Yes (lower section and cover)				



				CI...					
General									
Components				Components of switchgear assemblies are type-tested. They are suitable for self-assembly of switchgear installations, distribution boards and control panels.					
Mounting units				The reference values stated apply to the basic elements of the distribution board. For devices fitted, terminals etc., their reference and rated values apply.					
Standards									
TTA – Type Tested Assemblies				IEC/EN 60439-1, VDE 0660 Part 500					
Low-voltage fuses				IEC/EN 60269, VDE 0636					
Type test				VDE 0660 Part 500, IEC/EN 60439-1					
Creepage and clearance distances				III/3 to IEC/EN 60439-1					
Flammability characteristics - Glow rod test				VDE 0304 Part 3 level IIb, level IIb to IEC 60707					
Regulations for fire-resistance tests of electrical products, their modules and components, glow wire test				VDE 0471 Part 2					
Operating and environmental conditions to VDE 0660 Part 500									
Ambient temperature									
Mean value over 24 hours			°C	35					
Limit values			°C	-5...40					
Indoor installation									
Relative humidity									
at 20 °C			%	90					
at 40 °C			%	50					
Installation altitude			m	max. 2000					
Protection type									
CI enclosure				IP65					
KST cable entry from below				IP65					
KST cable entry from above				IP64					
Cable entry open				IP00					
Modular grid (enclosure basic dimensions)			mm	25 (DIN 43660)					
Color									
Base				RAL 7032, pebble grey					
Cover				Transparent, opaque or RAL 7032, pebble grey					
				CI...-NA: Transparent cover, opaque					
Surface protection with metals				Galvanized, passivated					
Radiated heat dissipation				→ Page 20/86					
Electrical characteristics									
Busbar system									
Rated operating voltage			U _e V AC	690	690	690	690	690	690
Rated insulation voltage									
AC			U _i V AC	690	690	690	690	690	690
DC			U _i V DC	800	800	800	800	800	800
Rated operational current			I_e A	160	250	400	630	1000	1600
Rated short-time withstand current									
t = 0.1 s cos φ = 0.2			I _{cw} kA	20	25	35	40	80	80
Rated short-time withstand current t = 1 s			I _{cw} kA	4	7	14	28	50	66
Rated peak withstand current			I _{pk} kA	40	52.5	73.5	84	176	176
Distance between busbar supports			mm	≤ 375	≤ 375	≤ 375	≤ 375	≤ 375	≤ 375



Radiated heat dissipation

CI...

CI...			
Radiated heat dissipation of the insulated enclosures CI	Part no.	Dimensions W x H x D mm	Heat dissipation W
Max. radiated heat dissipation of the CI insulated enclosures with separate mounting, ambient air temperature +20 °C	CI23...-125	187.5 x 250 x 150	33
	CI23...-150	187.5 x 250 x 175	36
	CI43...-125	375 x 250 x 150	46
	CI43...-150	375 x 250 x 175	50
	CI43...-200	375 x 250 x 225	56
	CI44...-125	375 x 375 x 150	66
	CI44...-150	375 x 375 x 175	68
	CI44...-200	375 x 375 x 225	72
	CI44...-250	375 x 375 x 275	78
	CI45...-200	375 x 500 x 225	89
Max. radiated heat dissipation of the CI insulated enclosures with use in distribution boards to VDE 0660 Part 500	CI48...-200	375 x 750 x 225	138
	CI48...-250	375 x 750 x 275	164
	CI23-...	187.5 x 250 x 150 187.5 x 250 x 175	25
	CI43-...	375 x 250 x 150 375 x 250 x 175 375 x 250 x 225	42
	CI44-...	375 x 375 x 150 375 x 375 x 175 375 x 375 x 225 375 x 375 x 275	54
	CI45-...	375 x 500 x 225	67
	CI48-...	375 x 750 x 225 375 x 750 x 275	93
Notes When calculating the heat dissipation, the quadratic relationship of current with the rated diversity factor α must be considered. $P_V = I^2 \times R$ $P'_V = P_V \times \alpha^2$ If no data is available concerning the load relationships of the individual circuits, the rated diversity factor is selected conform to VDE 0660 Part 500.			

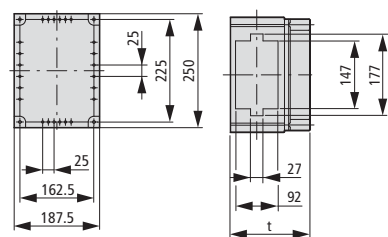


CI..., CL..., ML...

Dimensions

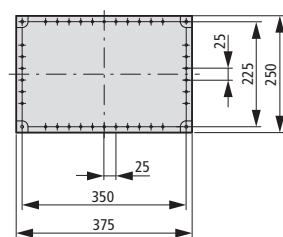
Insulated enclosures

CI123...
RS.../I23...
GS00/I23...
GSTA00/I23E



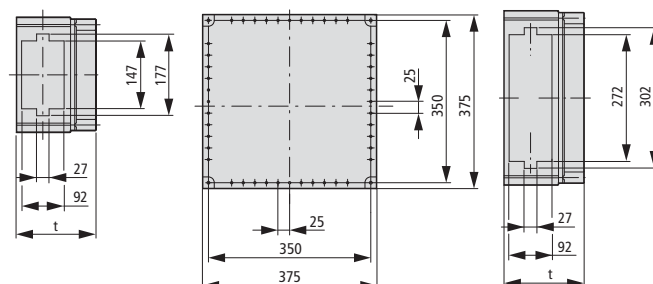
t = 150/175 mm

CI43...
KST43..., Dimension with gland plates → Page 20/11
K...KST43..., Dimension with gland plates → Page 20/38
ZG/I43E-G-...
RS.../I43...
GS00.../I43...
GSTA00.../I43...



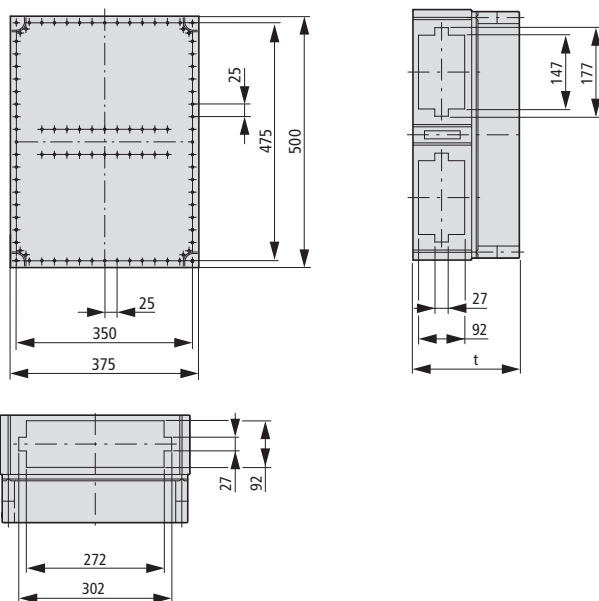
t = 150/175/225 mm

CI44...
KST44..., Dimension with gland plates → Page 20/12
K...KST44..., Dimension with gland plates → Page 20/39
SKA.../I44, ZG/I44E-...
ESK.../I44, EPEN.../I44
RSK.../I44, RS.../I44...
GS2/I44, GSTA.../I44...



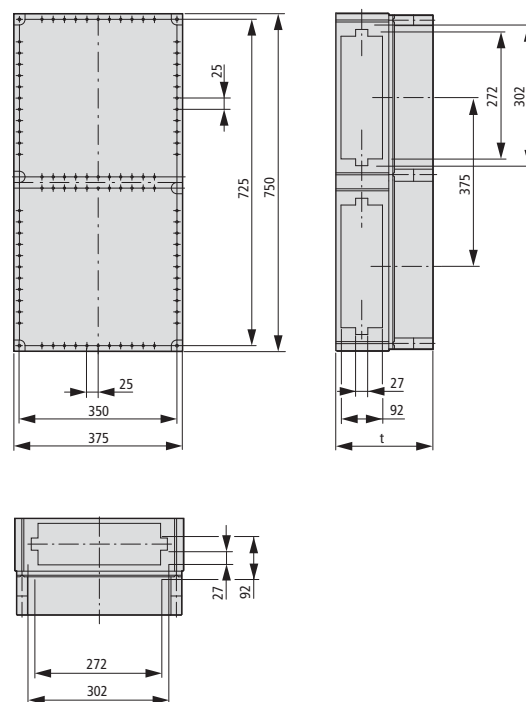
t = 150/175/225/275 mm

CI45...
ZG/I45E-...
GS.../I45E
GSTA.../I45E



t = 225 mm

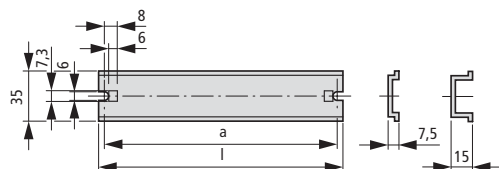
CI48...
KST48..., Dimension with gland plates → Page 20/13
K...KST48..., Dimension with gland plates → Page 20/39
ZG/I48-...
GSTA.../I48E GS.../I48E



t = 225/275 mm

Mounting rails

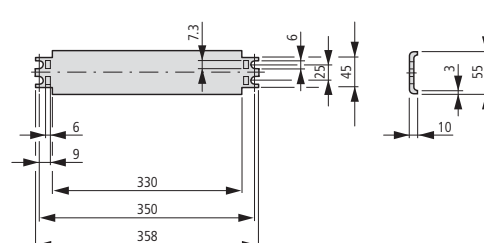
CL...



Part no.	l	a
CL2	170.5	162.5
CL3	233	225
CL4	358	350
CL2-15	170.5	162.5
CL3-15	233	225
CL4-15	358	350

Module mounting rail

ML...



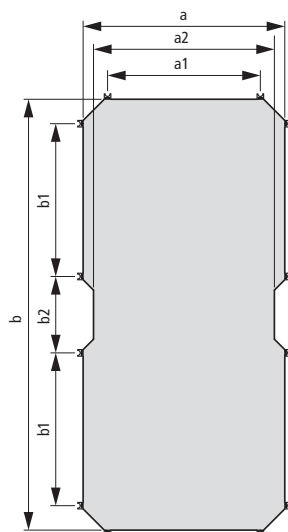
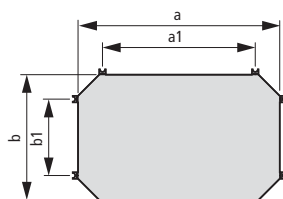
M3-CI..., IM4-CI..., W..., FL..., ZRF..., AE/..., AV/...**Mounting plates**

M3-CI-...

IM4-CI-...

M3-CI48

IM4-CI48

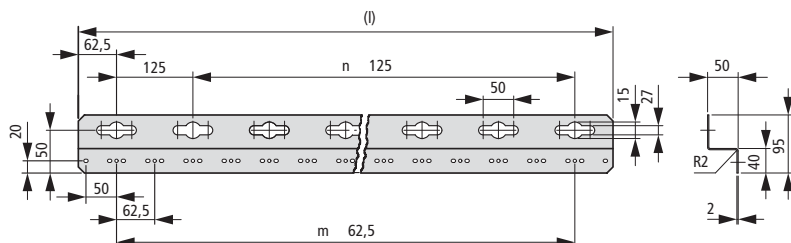


Part no.	a	b	a1	b1	a2	b2
M3-CI23, IM4-CI23	142.5	205	62.5	125	-	-
M3-CI43, IM4-CI43	330	205	250	125	-	-
M3-CI44, IM4-CI44	330	330	250	250	-	-
M3-CI45	330	455	250	375	-	-
M3-CI48, IM4-CI48	330	705	250	250	296	125

Insulated mounting plate IM4-...: 4 mm thick
 Mounting plate M3-... 3 mm thick

Wall fixing bracket

W.../...



Part no.	l	n	m
W4/8	625	4	8
W6/8	875	6	12
W8/16	1125	8	16
W10/20	1375	10	20
W16/32	2125	16	32

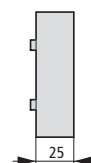
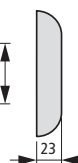
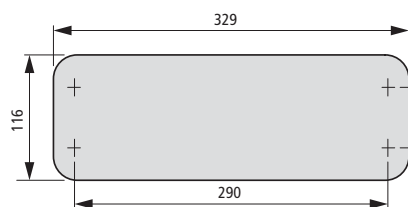
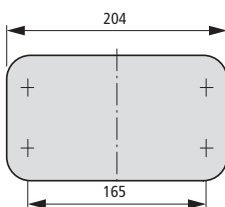
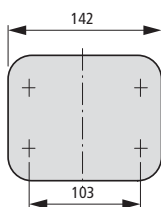
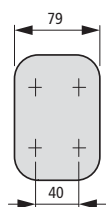
**Flanges
spacers**

FL1-...

FL2-...

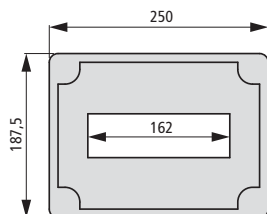
FL3-...
ZRF3FL4-...
ZRF4

FL...

ZRF3
ZRF4**MCB enclosure****MCB distribution board enclosure**

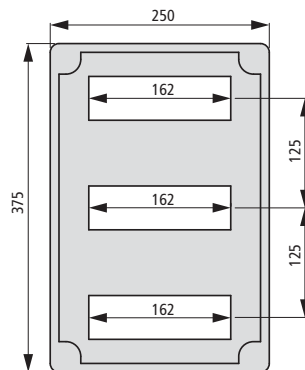
AE/I23

AV/I23 Dimensions identical but rotated by 90°



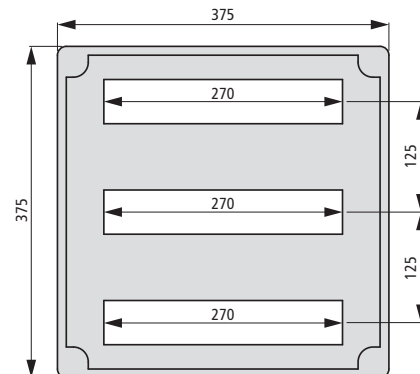
AE/I43

AV/I43 Dimensions identical but rotated by 90°



AE/I44

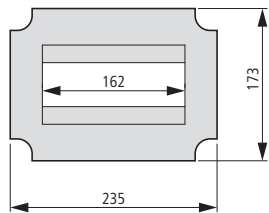
AV/I44 Dimensions identical but rotated by 90°



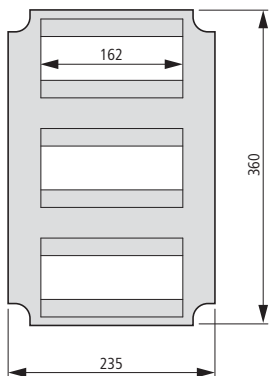
GA-..., MCCB1-..., MCCB2-...

Protective cover

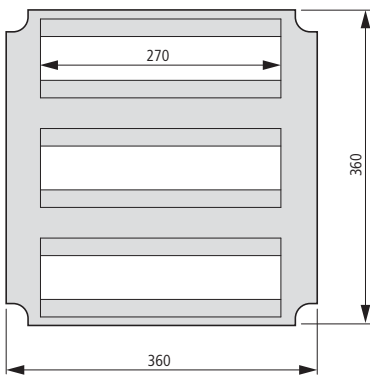
GA-0/I23



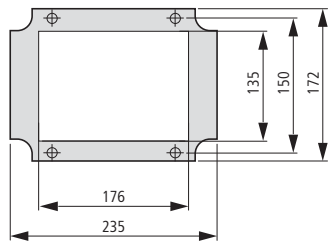
GA-0/I43



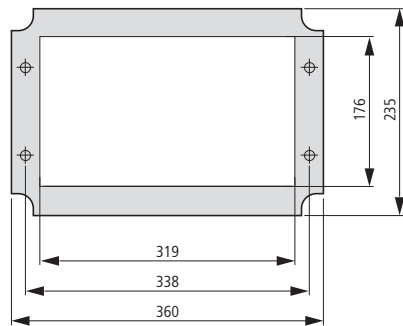
GA-0/I44



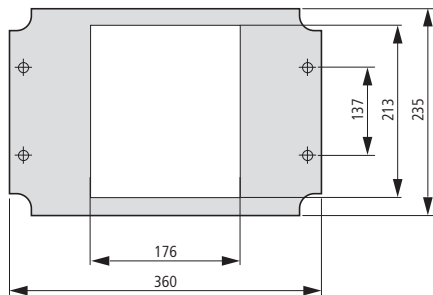
GA-RS-I23



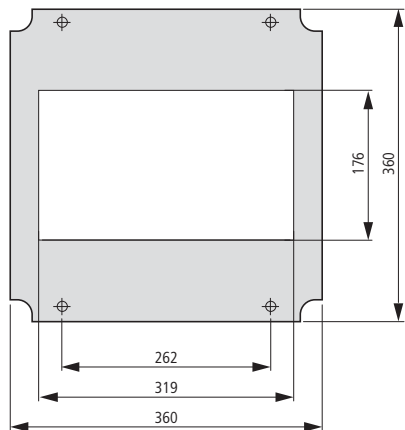
GA-RS-I43



GA-RS-I43-G

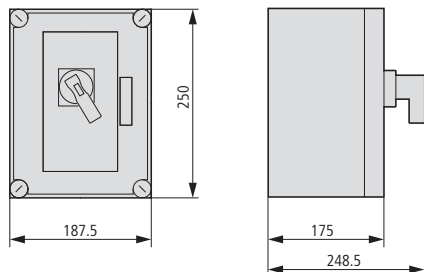


GA-RS-I44

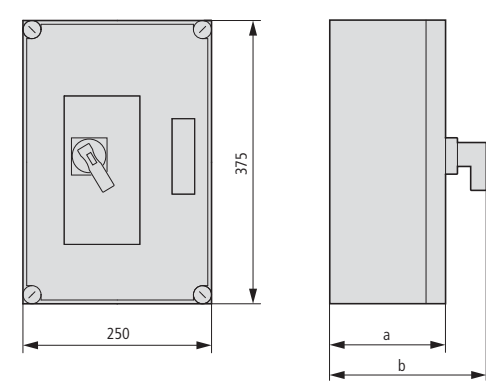


Prepared MCCB enclosures

MCCB1-63/I23E-150



MCCB.../I43E-...



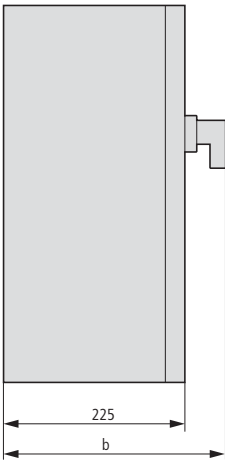
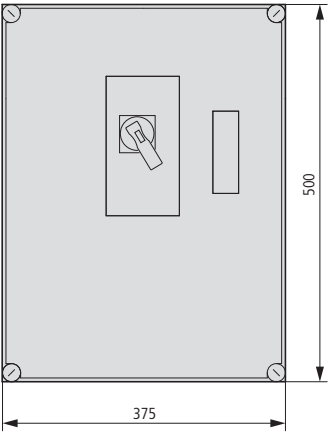
Part no.	a	b
MCCB1-125/I43E-150	175	248.5
MCCB1-160/I43E-200	225	298.5
MCCB2-200/I43E-200	225	298.5



MCCB2-..., MCCB3-..., T-CI..., K...-A

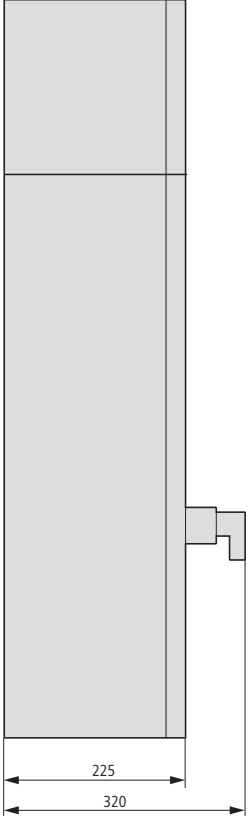
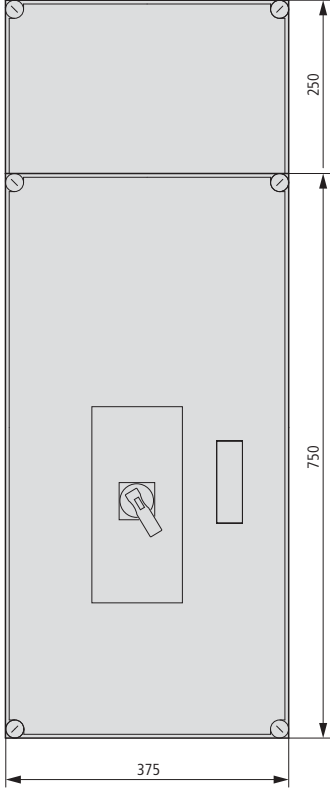
Prepared MCCB enclosures

MCCB.../I45E-200



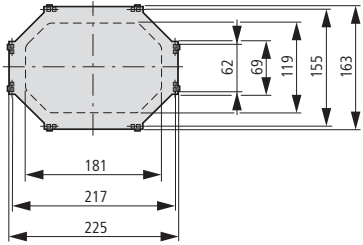
Part no.	b
MCCB2-250/I45E-200	298.5
MCCB3-400/I45E-200	320

MCCB3-630/I48/I43E-200

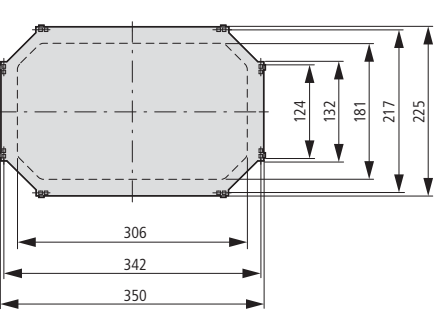


Doors

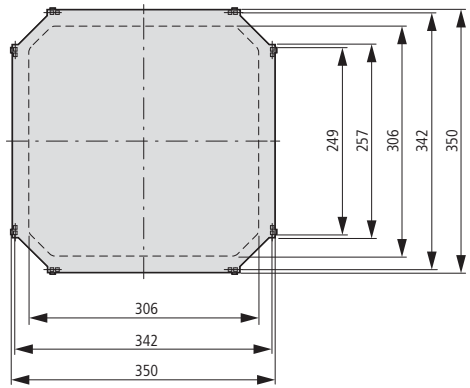
T-CI23



T-CI43

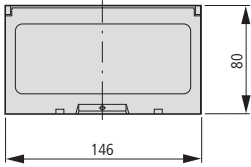


T-CI44

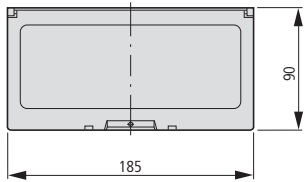


Hinged flaps

K-A



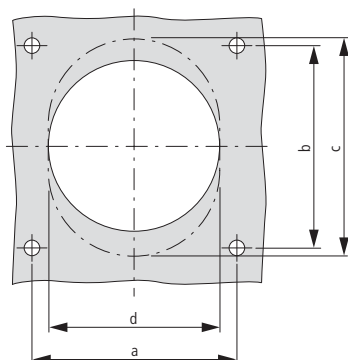
KG-A



D...-Ci...-RAL7032-STV, FL... STV..., K...**Openings of covers (D...STV) and flanges (FL...) for socket devices**

European socket (Schuko) with grounding provisions, 16 A, 5-pole

CEE, 16–125 A, 5-pole



Part no.	a mm	b mm	c mm	d mm
Cover 16 A	45	45	-	47
Flange 16 A	52	52	-	57

Part no.	a mm	b mm	c mm	d mm
16 A	90	90	-	78
32 A	90	90	-	87
63 A	90	90	98	92
125 A	90	90	107	94

Terminals

K.../1

K.../4



Part no.	a	a1	a2	a3	b	b1	c	a5
K95/1/N	37	-	18.5	3	115	100	88	-
K95/4	130	100	15	3	115	100	88	31
K150/1	37	-	18.5	3	115	100	105	-
K150/4	130	100	15	3	115	100	105	31
K240/1	52	-	26	3	115	100	120	-
K240/4	190	150	20	3	115	100	120	46
K2X240/1	68	-	34	4	140	125	127	-
K2X240/4	254	200	27	4	140	125	127	62

