



# CS sheet steel wall-mounting enclosure

The stable CS housing series is used wherever effective protection against contact with active components is required. 45 housing sizes in protection type IP66 and an efficient range of accessories for interior and exterior installation make this housing series a universal genius.



## Sheet steel wall-mounting enclosure CS – CS-86/200

Hinge pins with quick-change technology for simple door mounting +++ Base plate with foam gasket, ready-to-mount +++ Fasteners from corrosion-resistant metal → Page 21/4

## Sheet steel wall-mounting enclosure CS – CS-1210/300

Mounting plate with 4-fold bevel provides more stability +++ 3-point rod closure for smooth opening +++ Door stabilizer for heavy door installations such as touch panels → Page 21/5

## Locks with inserts – LC-DBIT5-CS

Shockproof, corrosion-resistant metal system +++ Easily extended with bar +++ Customized colors and inserts upon request → Page 21/10

## Bar accepts profile semi-cylinders – PHZ-A-ADD-ON

For all market-typical profile semi-cylinders +++ Metal system with integrated closing condition display +++ Mount in minutes without drilling, stamping or sawing the door → Page 21/10

## Wall fixing bracket – WFB-SET-CS

Horizontal and vertical mounting +++ Housing hangs easily on wall bolts +++ Simple assembly with few individual parts → Page 21/10

## Mounting bars for door profile moldings and cable ducts – MTR-D6-CS

Quick and easy cable channel clamping +++ Length matched to door profile +++ For individual removal of door interior side → Page 21/6

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# CS sheet steel wall-mounting enclosure

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## Technical data

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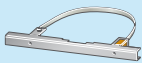
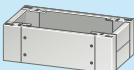
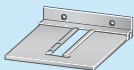
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Weight of fitted components	21/24
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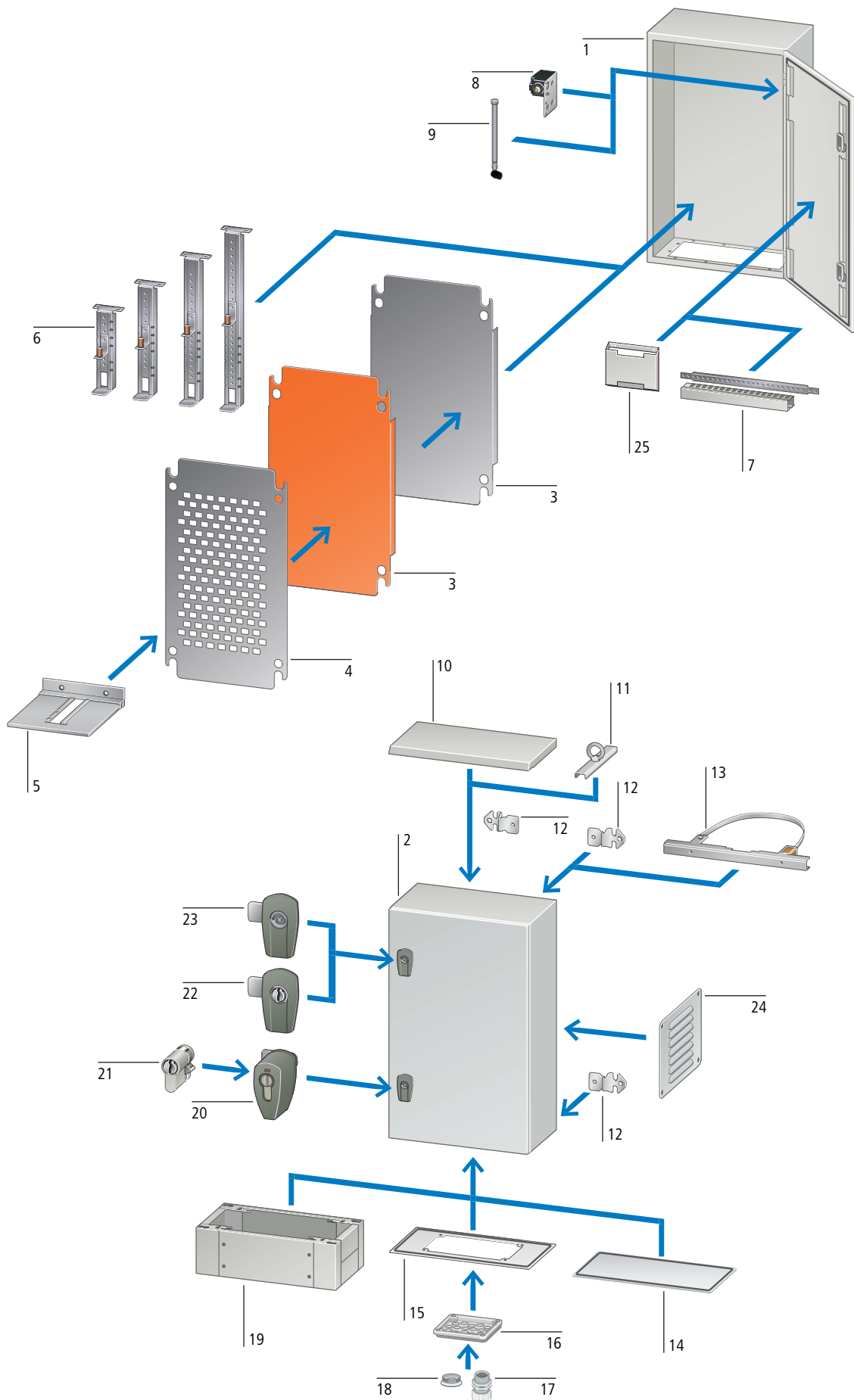
## Dimensions

Internal configuration	21/25
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External configuration	21/31
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System overview



**Indoor installation**

**CS sheet steel wall-mounting enclosure** 1

Internal concealed horizontal door hinge pins with quick change technology so that the door can be rapidly taken off its hinges to perform further processing or to change the door stop

Door profile molding with perforation at 25 mm intervals for fastening DIN mounting rails or for fixing cable conduits and leads

The supplied galvanized sheet steel mounting plate permits safe installation of the switchgear and basic EMC protection. Slots facilitate insertion of the equipped mounting plate into the control panel.

In the case of enclosure dimensions larger than 600 x 400 mm bended sides increase the stability of the mounting plates when heavy built-in devices units are being used.

Optional internal door for additional personal and system protection

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**Mounting plate, unperforated, galvanized or RAL 2000** 3

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**Mounting plate, perforated, galvanized, for cage nuts** 4

For quick mounting of switchgear and protective devices without drilling

→ Page 21/7

**Mounting rail module for soft starters** 5

Allows convenient connection and operation of Eaton soft starter through pivoting in and out

→ Page 21/6

**Depth adjustment elements for mounting plates** 6

Depth adjustment in a 25 mm grid for tailored surface-mounting on front or back of mounting plate

→ Page 21/7

**Mounting bars for door profile moldings and cable ducts** 7

For screw- and hole-less mounting of Eaton cable ducts KL...

→ Page 21/6, → 21/21

**Universal brackets for door contact switches and cable conduit holders** 8

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**Quick-C hinge pin** 9

Door hinge pin with quick-change technology for retrofitting or as spare part

→ Page 21/6

**Outdoor installation**

**CS sheet steel wall-mounting enclosure** 2

Degree of protection IP66, resistance of impact IK09, UL/CSA Type 1 and 12

45 enclosure sizes from 250 x 200 x 150 mm to 1200 x 1200 x 250 mm (h x w x d) also with an enclosure depth of 300 mm.

Impact-resistant designer metal locks, standard 3 mm two-way key bit

Rain gutter profile

Foamed polyurethane sealing throughout.

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**Rain canopy** 10

With edge sloping toward rear.

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**Lift eye kit with profile bracket** 11

Stable profile bracket for internal enclosure reinforcement for lifting eye

→ Page 21/14

**Wall fixing bracket** 12

Elongated holes simplify mounting the equipped enclosures on the wall bolts.

Simple subsequent alignment of enclosure

Vertical and horizontal mounting possible

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**Mast fastening** 13

For stable, reliable fixing on round or rectangular masts

→ Page 21/14

**Bottom panels without apertures** 14

Sheet steel bottom panels with foamed gasket for assembly by user

Suitable for indoor or outdoor installation.

The enclosure can be turned through 180° for cable entry from above or below.

The flange aperture is in the rear area of the enclosure, enabling easy wiring onto the mounting plate.

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**Bottom panels with apertures for F3A flanges** 15

Sheet steel bottom panels with foamed gasket, preassembled for Eaton F3A flanges

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**F3A flanges** 16

Insulating material flanges with metric knockouts, cable grommets or push-through seals.

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**Metric cable glands to EN 50262, metric ventilation cable glands** 17

Innovative ventilating cable glands

Protection type IP69K

→ Page 21/17, → 21/18

**Metric diaphragm grommets, cable grommet** 18

Protection type up to IP66

→ Page 21/19

**Cable interconnect frame** 19

Cable clamp rails can be fitted at an adjustable height and depth

→ Page 21/12

**Lock for half-cylinder comfort rotary handle** 20

Standard locks can be quickly equipped with cylinder locks.

New and unique on the market: With built-in "closed" position indication; rugged metal design

No complicated drilling, punching or sawing of the door required

The standard lock does not even have to be dismantled.

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**Cylinder locks** 21

High-grade cylinder locks with adjustable hammer

→ Page 21/10

**Locks with inserts, lock cylinder** 22

Lock for retrofitting

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**Locks with inserts, two-way key bit** 23

Lock for retrofitting with 3 mm or 5 mm two-way key bit

Made completely of pressure-cast zinc, therefore suitable for indoor and outdoor installation

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**Ventilating louvers** 24

For passive control panel ventilation


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**Circuit diagram pockets insulating material** 25

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


## Ordering

Dimensions			Locks	Hinges	Door profile molding	Flange plates		Max. F3A flanges	Mounting plates		Weight	Part no. Article no.	Price See price list	Std. pack
Height mm	Width mm	Depth mm	Number	Number	Number	Width mm	Depth mm	Number	Height mm	Width mm	kg			
<b>CS wall-mounting enclosure with mounting plate</b>														
<ul style="list-style-type: none"> <li>• Protection type IP66.</li> <li>• Foamed polyurethane sealing throughout.</li> <li>• Resistance to impact regarding IK09 to EN 62262.</li> <li>• Sheet steel mounting plate</li> <li>• Bottom panel with foamed gasket. CS-1212/250 with two apertures for bottom panel.</li> <li>• Single door, hinges on the right, door opening angle 120°.</li> <li>• Door hinge pins with quick change technology.</li> <li>• Standardized locking system with two-way key bit. From enclosure height 1000 mm: 3-point locking system.</li> <li>• Equipment supplied: Lock, 3 mm two-way key bit</li> <li>• Powder coating (textured surface) in the colour RAL 7035 inside and outside.</li> </ul>														
250	200	150	1	2	1	112	182	-	220	150	3.4	<b>CS-2520/150</b> 111646		1 off 
300	200	150	1	2	1	112	182	-	270	150	3.9	<b>CS-32/150</b> 111647		
300	300	150	1	2	2	112	232	-	270	250	5.2	<b>CS-33/150</b> 111648		
300	300	200	1	2	2	172	262	1	270	250	6.1	<b>CS-33/200</b> 111649		
300	400	200	1	2	2	172	332	1	270	350	7.4	<b>CS-34/200</b> 111680		
400	300	150	1	2	2	112	232	-	370	250	6.6	<b>CS-43/150</b> 111681		
400	300	200	1	2	2	172	262	1	370	250	7.6	<b>CS-43/200</b> 111682		
400	400	150	1	2	2	112	332	-	370	350	8.7	<b>CS-44/150</b> 111683		
400	400	200	1	2	2	172	332	1	570	350	9.7	<b>CS-44/200</b> 111684		
400	600	200	1	2	2	172	532	2	370	550	13.4	<b>CS-46/200</b> 111685		
400	600	250	1	2	2	172	532	2	370	550	14.3	<b>CS-46/250</b> 111686		
400	600	300	1	2	2	172	532	2	370	550	15.7	<b>CS-46/300</b> 111687		
500	400	150	2	2	2	112	332	-	470	350	10.1	<b>CS-54/150</b> 111688		
500	400	200	2	2	2	172	332	1	470	350	10.9	<b>CS-54/200</b> 111689		
500	400	250	2	2	2	172	332	1	470	350	11.9	<b>CS-54/250</b> 111690		
500	500	250	2	2	2	172	432	1	470	450	14.5	<b>CS-55/250</b> 111691		
600	400	150	2	2	2	112	332	-	570	350	12.4	<b>CS-64/150</b> 111692		
600	400	200	2	2	2	172	332	1	570	350	13.2	<b>CS-64/200</b> 111693		
600	400	250	2	2	2	172	332	1	570	350	14.5	<b>CS-64/250</b> 111694		
600	500	150	2	2	2	112	332	-	570	450	15.4	<b>CS-65/150</b> 111695		
600	500	200	2	2	2	172	432	1	570	450	16.8	<b>CS-65/200</b> 111696		
600	500	250	2	2	2	172	432	1	570	450	17.1	<b>CS-65/250</b> 111697		
600	600	200	2	2	2	172	532	2	570	550	21.8	<b>CS-66/200</b> 111698		
600	600	250	2	2	2	172	532	2	570	550	23.1	<b>CS-66/250</b> 111699		
600	600	300	2	2	2	172	532	2	570	550	24.5	<b>CS-66/300</b> 111700		
600	800	300	2	2	2	172	732	3	570	750	34.8	<b>CS-68/300</b> 111701		
700	500	200	2	2	2	172	432	1	670	450	21.1	<b>CS-75/200</b> 111702		
700	500	250	2	2	2	172	432	1	670	450	21.6	<b>CS-75/250</b> 111703		
800	400	200	2	3	2	172	332	1	770	350	21.7	<b>CS-84/200</b> 111704		

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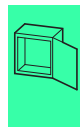
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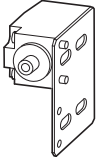

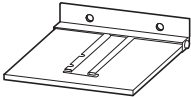

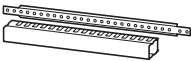
Dimensions			Locks	Hinges	Door profile molding	Flange plates		Max. F3A flanges	Mounting plates		Weight	Part no. Article no.	Price See price list	Std. pack
Height mm	Width mm	Depth mm	Number	Number	Number	Width mm	Depth mm	Number	Height mm	Width mm	kg			
<b>CS wall-mounting enclosure with mounting plate</b>														
800	400	250	2	3	2	172	332	1	770	350	23.2	<b>CS-84/250</b> 111705		1 off 
800	600	200	2	3	2	172	532	2	770	550	30.2	<b>CS-86/200</b> 111706		
800	600	250	2	3	2	172	532	2	770	550	32.8	<b>CS-86/250</b> 111707		
800	600	300	2	3	2	172	532	2	770	550	34.9	<b>CS-86/300</b> 111708		
800	800	200	2	3	2	172	732	3	770	750	39.0	<b>CS-88/200</b> 111709		
800	800	300	2	3	2	172	732	3	770	750	42.8	<b>CS-88/300</b> 111710		
800	1000	300	2	3	2	172	932	3	770	950	54.2	<b>CS-810/300</b> 111711		
1000	600	250	1 (3-point)	3	2	172	532	2	970	550	43.2	<b>CS-106/250</b> 111712		
1000	600	300	1 (3-point)	3	2	172	532	2	970	550	45.4	<b>CS-106/300</b> 111713		
1000	800	250	1 (3-point)	3	2	172	732	3	970	750	55.5	<b>CS-108/250</b> 111714		
1000	800	300	1 (3-point)	3	2	172	732	3	970	750	56.1	<b>CS-108/300</b> 111715		
1000	1000	300	1 (3-point)	3	2	172	932	3	970	950	68.0	<b>CS-1010/300</b> 111716		
1200	600	250	1 (3-point)	3	2	172	532	2	1170	550	50.2	<b>CS-126/250</b> 111717		
1200	800	300	1 (3-point)	3	2	172	732	3	1170	750	67.7	<b>CS-128/300</b> 111718		
1200	1000	300	1 (3-point)	3	2	172	932	3	1170	950	83.2	<b>CS-1210/300</b> 111719		
1200	1200	250	1 (3-point)	3	2	2 x 172	532	4 (2x2)	1170	1150	94.2	<b>CS-1212/250</b> 111720		

**Information relevant for export to North America**



Product Standards UL 508A; CSA-C22.2 No.14; IEC/EN 60529; CE marking  
 UL File No. E336299  
 UL CCN NITW  
 CSA File No. -  
 CSA Class No. -  
 NA Certification Request filed for UL and CSA  
 Conditions of Acceptability Series CS may be provided with metal sub-panel. No back mounted components are allowed between sub-panel and the back sheet metal enclosure  
 Suitable for Industrial Control Panels  
 Degree of Protection IEC: IP66, indoor and outdoor; UL/CSA Types 1, 12, indoor only.

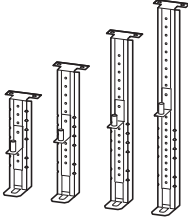
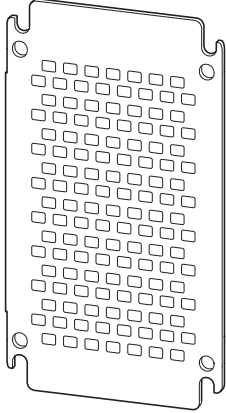


	Dimensions Enclosure Width mm	Part no. Article no.	Price See price list	Std. pack
<b>Door retainer</b>				
<ul style="list-style-type: none"> <li>For retaining the door in a defined position</li> <li>Galvanized sheet steel</li> <li>Including fixing material</li> </ul>	500 600 800 1000 1200	<b>DOOR-RET-CS</b> 138737		1 off
<b>Universal brackets for door contact switches and cable conduit holders</b>				
<ul style="list-style-type: none"> <li>For fixing door contact switches or cable conduit holders</li> <li>Galvanized sheet steel</li> </ul> 	300 400 500 600 800 1000 1200	<b>UNI-BRA-CS</b> 140535		2 off
<b>Mounting bracket, inclined</b>				
<ul style="list-style-type: none"> <li>For fitting mounting rails TS35X7.5 or TS35X15 in inclined position</li> <li>Galvanized sheet steel</li> </ul> 	–	<b>TS1-BRA-CS</b> 138772		2 off
<b>Mounting rail module for soft starters</b>				
<ul style="list-style-type: none"> <li>Pivoting module for soft starters up to and including construction size DS4</li> <li>Soft starters pivoted into vertical position require less enclosure depth.</li> <li>Including fixing material for fitting on mounting plate</li> </ul> 	–	<b>TS35-DS4-CS</b> 140537		1 off
<b>Quick-C hinge pin</b>				
<ul style="list-style-type: none"> <li>With Quick-Change technology for tool-less removal</li> </ul> 	–	<b>QUICK-C-CS</b> 138773		6 off
<b>Mounting bars for door profiles and cable ducts</b>				
<ul style="list-style-type: none"> <li>For fitting to vertical door profiles</li> <li>For screwless mounting of cabling ducts KL... through snap fitting of cable duct covers on rear</li> <li>Fixing holes M6 spaced at 25 mm</li> <li>Galvanized sheet steel</li> </ul> 	300 400 500 600 800	<b>MTR-D3-CS</b> 140530 <b>MTR-D4-CS</b> 140531 <b>MTR-D5-CS</b> 140532 <b>MTR-D6-CS</b> 140533 <b>MTR-D8-CS</b> 140534		2 off



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**MPP-CS**

	Dimensions Enclosure			Thread	Part no. Article no.	Price See price list	Std. pack
	Height mm	Width mm	Depth mm				
<b>Depth adjustment elements for mounting plates</b>							
<ul style="list-style-type: none"> <li>• Depth-adjustable in 25 mm grid</li> <li>• Galvanized sheet steel</li> <li>• Including fixing material</li> </ul>							
	–	–	150	–	<b>DAS-SET/150-CS</b> 138656		1 off
	–	–	200	–	<b>DAS-SET/200-CS</b> 138657		
	–	–	250	–	<b>DAS-SET/250-CS</b> 138658		
	–	–	300	–	<b>DAS-SET/300-CS</b> 138659		
<b>Mounting plate, perforated, for cage nuts</b>							
<ul style="list-style-type: none"> <li>• Galvanized sheet steel</li> <li>• Perforated for cage nuts M6 or M8</li> <li>• without fixing material</li> </ul>							
	250	200	–	–	<b>MPP-2520-CS</b> 138685		1 off
	300	200	–	–	<b>MPP-3020-CS</b> 138686		
	300	300	–	–	<b>MPP-3030-CS</b> 138687		
	300	400	–	–	<b>MPP-3040-CS</b> 138688		
	400	300	–	–	<b>MPP-4030-CS</b> 138689		
	400	400	–	–	<b>MPP-4040-CS</b> 138690		
	400	600	–	–	<b>MPP-4060-CS</b> 138691		
	500	400	–	–	<b>MPP-5040-CS</b> 138692		
	500	500	–	–	<b>MPP-5050-CS</b> 138693		
	600	400	–	–	<b>MPP-6040-CS</b> 138694		
	600	500	–	–	<b>MPP-6050-CS</b> 138695		
	600	600	–	–	<b>MPP-6060-CS</b> 138696		
	600	800	–	–	<b>MPP-6080-CS</b> 138697		
	700	500	–	–	<b>MPP-7050-CS</b> 138698		
	800	400	–	–	<b>MPP-8040-CS</b> 138699		
	800	600	–	–	<b>MPP-8060-CS</b> 138700		
800	800	–	–	<b>MPP-8080-CS</b> 138701			
800	1000	–	–	<b>MPP-80100-CS</b> 138702			
1000	600	–	–	<b>MPP-10060-CS</b> 138703			
1000	800	–	–	<b>MPP-10080-CS</b> 138704			
1000	1000	–	–	<b>MPP-100100-CS</b> 138705			
1200	600	–	–	<b>MPP-12060-CS</b> 138706			
1200	800	–	–	<b>MPP-12080-CS</b> 138707			
1200	1000	–	–	<b>MPP-120100-CS</b> 138708			
1200	1200	–	–	<b>MPP-120120-CS</b> 138709			
<b>Cage nuts for perforated MPP... mounting plates</b>							
–	–	–	M6	<b>CANU-M6-CS</b> 138710		100 off	
–	–	–	M8	<b>CANU-M8-CS</b> 138711			

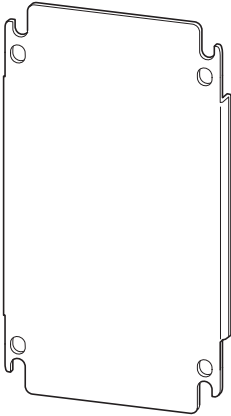




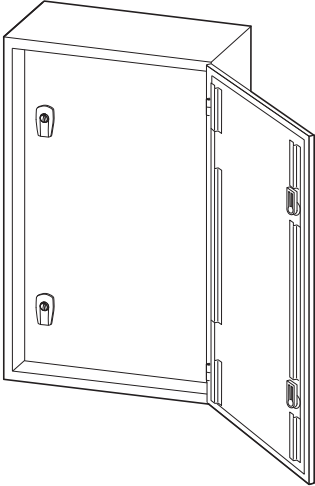
Indoor installation: Mounting plates

**MPL-CS, MPL-RAL2000-CS**

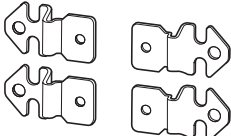
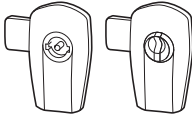



HPL21008EN


	Dimensions Enclosure		Part no. Article no. without apertures <b>RAL2000</b> With powder coating	Price See price list	Part no. Article no. without apertures, galvanized	Price See price list	Std. pack
	Height mm	Width mm					
<b>Mounting plates without apertures</b>							
<ul style="list-style-type: none"> <li>• Sheet steel</li> <li>• Without fixing material</li> </ul>							
	250	200	<b>MPL-2520/RAL2000-CS</b> 138712		<b>MPL-2520-CS</b> 138747		1 off
	300	200	<b>MPL-3020/RAL2000-CS</b> 138713		<b>MPL-3020-CS</b> 138748		
	300	300	<b>MPL-3030/RAL2000-CS</b> 138714		<b>MPL-3030-CS</b> 138749		
	300	400	<b>MPL-3040/RAL2000-CS</b> 138715		<b>MPL-3040-CS</b> 138750		
	400	300	<b>MPL-4030/RAL2000-CS</b> 138716		<b>MPL-4030-CS</b> 138751		
	400	400	<b>MPL-4040/RAL2000-CS</b> 138717		<b>MPL-4040-CS</b> 138752		
	400	600	<b>MPL-4060/RAL2000-CS</b> 138718		<b>MPL-4060-CS</b> 138753		
	500	400	<b>MPL-5040/RAL2000-CS</b> 138719		<b>MPL-5040-CS</b> 138754		
	500	500	<b>MPL-5050/RAL2000-CS</b> 138720		<b>MPL-5050-CS</b> 138755		
	600	400	<b>MPL-6040/RAL2000-CS</b> 138721		<b>MPL-6040-CS</b> 138756		
	600	500	<b>MPL-6050/RAL2000-CS</b> 138722		<b>MPL-6050-CS</b> 138757		
	600	600	<b>MPL-6060/RAL2000-CS</b> 138723		<b>MPL-6060-CS</b> 138758		
	600	800	<b>MPL-6080/RAL2000-CS</b> 138724		<b>MPL-6080-CS</b> 138759		
	700	500	<b>MPL-7050/RAL2000-CS</b> 138725		<b>MPL-7050-CS</b> 138760		
	800	400	<b>MPL-8040/RAL2000-CS</b> 138726		<b>MPL-8040-CS</b> 138761		
	800	600	<b>MPL-8060/RAL2000-CS</b> 138727		<b>MPL-8060-CS</b> 138762		
	800	800	<b>MPL-8080/RAL2000-CS</b> 138728		<b>MPL-8080-CS</b> 138763		
	800	1000	<b>MPL-80100/RAL2000-CS</b> 138729		<b>MPL-80100-CS</b> 138764		
	1000	600	<b>MPL-10060/RAL2000-CS</b> 138730		<b>MPL-10060-CS</b> 138765		
	1000	800	<b>MPL-10080/RAL2000-CS</b> 138731		<b>MPL-10080-CS</b> 138766		
1000	1000	<b>MPL-100100/RAL2000-CS</b> 138732		<b>MPL-100100-CS</b> 138767			
1200	600	<b>MPL-12060/RAL2000-CS</b> 138733		<b>MPL-12060-CS</b> 138768			
1200	800	<b>MPL-12080/RAL2000-CS</b> 138734		<b>MPL-12080-CS</b> 138769			
1200	1000	<b>MPL-120100/RAL2000-CS</b> 138735		<b>MPL-120100-CS</b> 138770			
1200	1200	<b>MPL-120120/RAL2000-CS</b> 138736		<b>MPL-120120-CS</b> 138771			

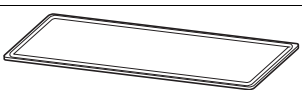


	Dimensions Enclosure		Part no. Article no.	Price See price list	Std. pack
	Height mm	Width mm			
<b>Door for internal partitions</b>					
<ul style="list-style-type: none"> <li>• Sheet steel with powder coating RAL 7035</li> <li>• Internal door for operator control and display units</li> <li>• Depth adjustment elements for mounting plates required in addition</li> </ul>					
	250	200	<b>DI-2520-CS</b> 138660		1 off
	300	200	<b>DI-3020-CS</b> 138661		
	300	300	<b>DI-3030-CS</b> 138662		
	300	400	<b>DI-3040-CS</b> 138663		
	400	300	<b>DI-4030-CS</b> 138664		
	400	400	<b>DI-4040-CS</b> 138665		
	400	600	<b>DI-4060-CS</b> 138666		
	500	400	<b>DI-5040-CS</b> 138667		
	500	500	<b>DI-5050-CS</b> 138668		
	600	400	<b>DI-6040-CS</b> 138669		
	600	500	<b>DI-6050-CS</b> 138670		
	600	600	<b>DI-6060-CS</b> 138671		
	600	800	<b>DI-6080-CS</b> 138672		
	700	500	<b>DI-7050-CS</b> 138673		
	800	400	<b>DI-8040-CS</b> 138674		
	800	600	<b>DI-8060-CS</b> 138675		
	800	800	<b>DI-8080-CS</b> 138676		
	800	1000	<b>DI-80100-CS</b> 138677		
	1000	600	<b>DI-10060-CS</b> 138678		
	1000	800	<b>DI-10080-CS</b> 138679		
1000	1000	<b>DI-100100-CS</b> 138680			
1200	600	<b>DI-12060-CS</b> 138681			
1200	800	<b>DI-12080-CS</b> 138682			
1200	1000	<b>DI-120100-CS</b> 138683			
1200	1200	<b>DI-120120-CS</b> 138684			


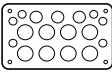
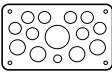
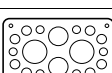
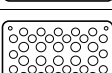
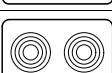
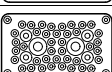

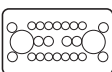


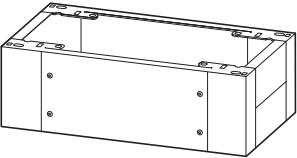
			Part no. Article no.	Price See price list	Std. pack	
<b>Wall fixing brackets sets</b>						
<ul style="list-style-type: none"> <li>For fixing on the wall</li> <li>Vertical or horizontal mounting</li> <li>Bracket material: 3 mm galvanized sheet steel</li> <li>One set contains 4 wall fixing brackets with fixing material and gasket IP66.</li> </ul>						
			<b>WFB-SET-CS</b> 112639		1 off	
<b>Universal locks</b>						
<ul style="list-style-type: none"> <li>Lock label made from high-grade, impact-resistant pressure-cast zinc</li> <li>Metal lock and inserts</li> <li>Powder coated RAL 7037</li> <li>For indoor and outdoor applications</li> <li>Metal lock nut, notched</li> <li>Compatible with standard latches</li> <li>For standardized door cutouts 22.5 × 20.4 mm</li> </ul>						
			–	3 mm two-way key bit	<b>LC-DBIT3-CS</b> 133102	1 off
			–	5 mm two-way key bit	<b>LC-DBIT5-CS</b> 133103	1 off
Common locking mechanism				Key with two-way key bit	<b>LC-ZSBIT-CS</b> 133104	1 off
<b>Comfort rotary handle</b>						
<ul style="list-style-type: none"> <li>Rotary handle for standardized cylinder locks</li> <li>With built-in "locked" indication</li> <li>As retrofitting or complete kit</li> <li>Handle made from high-grade, impact-resistant pressure-cast zinc</li> <li>Suitable for all universal locks LC-...</li> <li>For standardized door cutouts 22.5 × 20.4 mm</li> <li>Powder coated RAL 7037</li> <li>Order cylinder locks separately</li> </ul>						
			Complete kit	Cylinder lock	<b>PHZ-A-COMP</b> 133105	1 off
			Retrofitting kit	Cylinder lock	<b>PHZ-A-ADD-ON</b> 133106	1 off
<b>Cylinder locks for comfort handles</b>						
<ul style="list-style-type: none"> <li>For comfort rotary and toggle handles</li> <li>Lock cylinder designed to DIN 18252 and DIN EN 1303</li> <li>Cylinder locks 10/30 with nickel silver pin tumblers</li> <li>Lock bit with eight adjustment positions, five pin pairs</li> <li>Common locking or individual key mechanism</li> <li>One key included per cylinder</li> </ul>						
			keyed alike	–	<b>PHZ-E10/30-GS</b> 138574	1 off
			keyed different	–	<b>PHZ-E10/30-VS</b> 138575	1 off
<b>Spare key for cylinder lock</b>						
<ul style="list-style-type: none"> <li>For cylinder lock PHZ-E...-GS</li> </ul>						
			keyed alike	Cylinder lock	<b>KEY-E10/30-GS</b> 138576	4 off

	For enclosure dimensions Width  mm	Flange apertures  Number	For use with	Part no. Article no.	Price See price list	Std. pack
<b>Bottom panels with flange cutouts</b>						
<ul style="list-style-type: none"> <li>• Not suitable for enclosure CS-.../150</li> <li>• For flange F3A-...</li> <li>• With foamed gasket, maximum protection type IP66 for proper application with F3A-...</li> <li>• Material: sheet steel with powder coating RAL 7035</li> <li>• Usable as a top panel by turning the enclosure through 180°</li> </ul>						
	300	1	CS-33/200 CS-43/200	<b>AFP-3-CS</b> 112914		1 off
	400	1	CS-34-200 CS-44/200 CS-54/200 CS-54/250 CS-64/200 CS-64/250 CS-84/200 CS-84/250	<b>AFP-4-CS</b> 112915		1 off
	500	1	CS-55/250 CS-65/200 CS-65/250 CS-75/200 CS-75/250	<b>AFP-5-CS</b> 112916		1 off
	600	2	CS-46/200 CS-46/250 CS-46/300 CS-66/200 CS-66/250 CS-66/300 CS-86/200 CS-86/250 CS-86/300 CS-106/250 CS-106/300 CS-126/250	<b>AFP-6-CS</b> 112917		1 off
	800	3	CS-68/300 CS-88/200 CS-88/300 CS-108/250 CS-108/300 CS-128/300	<b>AFP-8-CS</b> 112918		1 off
	1000	3	CS-810/300 CS-1010/300 CS-1210/300	<b>AFP-10-CS</b> 112919		1 off
	1200	2 x 2	CS-1212/250	<b>AFP-12-CS</b> 112920		1 off


	Dimensions Enclosure		Part no. Article no.	Price See price list	Std. pack
	Width mm	Depth mm			
<b>Bottom panels without apertures</b>					
<ul style="list-style-type: none"> <li>• Enclosure protection type IP66</li> <li>• With continuous foamed gasket</li> <li>• Gasket protected in deep-drawn area</li> <li>• With powder coating RAL 7035</li> </ul>					
	182	112	<b>SFP-112X182-CS</b> 138738		1 off
	232	112	<b>SFP-112X232-CS</b> 138739		1 off
	332	112	<b>SFP-112X332-CS</b> 138740		1 off
	262	172	<b>SFP-172X262-CS</b> 138741		1 off
	332	172	<b>SFP-172X332-CS</b> 138742		1 off
	432	172	<b>SFP-172X432-CS</b> 138743		1 off
	532	172	<b>SFP-172X532-CS</b> 138744		1 off
	732	172	<b>SFP-172X732-CS</b> 138745		1 off
	932	172	<b>SFP-172X932-CS</b> 138746		1 off



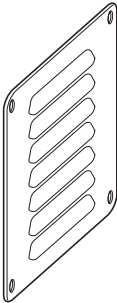
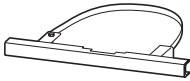
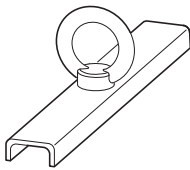
	Material	Features	Cable entry	Part no. Article no.	Price See price list	Std. pack
<b>Flanges</b>						
	Insulation material	Blank plate	-	<b>F3A-0</b> 074182		10 off
	Insulation material	With metric cable entry knockouts	6 x M25/16; 8 x M32/20, 4 x M16	<b>F3A-4</b> 081301		10 off
	Insulation material	With metric cable entry knockouts	2 x M20 8 x M25/16 4 x M32/20 1 x M50/32	<b>F3A-8</b> 091468		10 off
	Insulation material	With metric cable entry knockouts	12 x M20, 2 x M16 2 x M40/25 2 x M50/32	<b>F3A-12</b> 076555		10 off
	Insulation material	With metric cable entry knockouts	24 x M16 13 x M20	<b>F3A-34</b> 078928		10 off
	Insulation material	With cable grommets	2 cables up to 70 mm Ø	<b>F3A-KTD</b> 083674		5 off
	Insulation material	Sponge-rubber flange	40 cables, 10 – 13 mm Ø 4 cables, 17 - 21 mm Ø 2 cables, 27 - 30 mm Ø	<b>F3A-D</b> 010145		10 off
	Sheet steel	Blank plate 2 mm, with powder coating RAL 7035, sponge-rubbed gasket	-	<b>F3A-XP</b> 113426		1 off
	Insulation material	Diaphragm flange for cabling	14 x 11 mm Ø 8 x 15 mm Ø 2 x 28 mm Ø	<b>ZSD-2K/FLA</b> 272166		1 off

	Dimensions Enclosure		Part no. Article no.	Price See price list	Std. pack
	Width mm	Depth mm			
<b>Cable interconnect frame</b>					
<ul style="list-style-type: none"> <li>• Height 200 mm</li> <li>• Sheet steel, with powder coating RAL 7035</li> <li>• Including fixing material</li> <li>• Cable clamp rail not included as standard</li> </ul>					
	600	250	<b>PLI-6/250-200-CS</b> 140472		1 off
	600	300	<b>PLI-6/300-200-CS</b> 140473		1 off
	800	250	<b>PLI-8/250-200-CS</b> 140474		1 off
	800	300	<b>PLI-8/300-200-CS</b> 140475		1 off
	1000	300	<b>PLI-10/300-200-CS</b> 140476		1 off
	1200	250	<b>PLI-12/250-200-CS</b> 140477		1 off

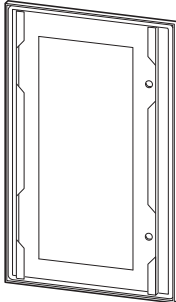


	Dimensions Enclosure		Cover Height mm	For use with	Part no. Article no.	Price See price list	Std. pack
	Width mm	Depth mm					
<b>Rain canopies</b>							
<ul style="list-style-type: none"> <li>• For direct fastening to the body of the enclosure</li> <li>• Material properties: sheet steel with powder coating RAL 7035</li> <li>• Delivery with fixing material and drilling template</li> </ul>							
	200	150	30	CS-2520/150 CS-32/150	<b>CNP-2/150-CS</b> 112890		1 off
	300	150	30	CS-33/150 CS-43/150	<b>CNP-3/150-CS</b> 112891		1 off
	300	200	34	CS-33/200 CS-43/200	<b>CNP-3/200-CS</b> 112892		1 off
	400	150	30	CS-44/150 CS-54/150 CS-64/150	<b>CNP-4/150-CS</b> 112893		1 off
	400	200	34	CS-34/200 CS-44/200 CS-54/200 CS-64/200 CS-84/200	<b>CNP-4/200-CS</b> 112894		1 off
	400	250	38	CS-54/250 CS-64/250 CS-84/250	<b>CNP-4/250-CS</b> 112895		1 off
	500	150	30	CS-65/150	<b>CNP-5/150-CS</b> 112896		1 off
	500	200	34	CS-65/200 CS-75/200	<b>CNP-5/200-CS</b> 112897		1 off
	500	250	38	CS-55/250 CS-65/250 CS-75/250	<b>CNP-5/250-CS</b> 112898		1 off
	600	200	34	CS-46/200 CS-66/200 CS-86/200	<b>CNP-6/200-CS</b> 112899		1 off
	600	250	38	CS-46/250 CS-66/250 CS-86/250 CS-106/250 CS-126/250	<b>CNP-6/250-CS</b> 112900		1 off
	600	300	42	CS-46/300 CS-66/300 CS-86/300 CS-106/300	<b>CNP-6/300-CS</b> 112901		1 off
	800	200	34	CS-88/200	<b>CNP-8/200-CS</b> 112902		1 off
	800	250	38	CS-108/250	<b>CNP-8/250-CS</b> 112903		1 off
	800	300	42	CS-68/300 CS-88/300 CS-108/300 CS-128/300	<b>CNP-8/300-CS</b> 112904		1 off
	1000	300	42	CS-810/300 CS-1010/300 CS-1210/300	<b>CNP-10/300-CS</b> 112905		1 off
1200	250	38	CS-1212/250	<b>CNP-12/250-CS</b> 112906		1 off	



		Dimensions		Part no. Article no.	Price See price list	Std. pack
		Height mm	Width mm			
<b>Ventilating louvers</b>						
<ul style="list-style-type: none"> <li>For direct fastening to the body of the enclosure</li> <li>Protection type IP23</li> <li>Material: sheet steel with powder coating RAL 7035</li> <li>Delivery with fixing material</li> </ul>						
	Arrangement of the ventilation slits vertically	157	105	<b>LVP-20V12-CS</b> 112907		1 off
	Arrangement of the ventilation slits horizontally	164	105	<b>LVP-20H12-CS</b> 112908		1 off
	Arrangement of the ventilation slits vertically	180	130	<b>LVP-30V15-CS</b> 112909		1 off
	Arrangement of the ventilation slits horizontally	250	130	<b>LVP-30H15-CS</b> 112910		1 off
<b>Mast fastening</b>						
<ul style="list-style-type: none"> <li>For fixing on round or rectangular masts</li> <li>Set consisting of profiled busbar, clamping strap and clamping screw</li> <li>Sheet steel, galvanized, stainless steel clamping strap</li> <li>For mast diameters from 150 mm to 215 mm</li> </ul>						
			300	<b>MAST-FIT-CS</b> 140478		1 off
			400			
			500			
			600			
			800			
<b>Lift eye kit with profile bracket</b>						
<ul style="list-style-type: none"> <li>For internal enclosure reinforcement for lifting eye</li> <li>Eyebolts with thread M12</li> <li>Profile bracket of rigid 3 mm sheet steel</li> <li>For protection type IP66</li> <li>Each set contains 2 lifting eyes, profiles and gaskets</li> </ul>						
		135	–	<b>TOR-SET/135-CS</b> 140479		2 off



Dimensions Enclosure		Part no. Article no.	Price See price list	Std. pack
Height	Width			
mm	mm			
<b>Doors with inspection window</b>				
<ul style="list-style-type: none"> <li>• Enclosure protection type IP65</li> <li>• Frame: sheet steel with powder coating, transparent window: safety glass</li> <li>• Without hinges, without lock</li> </ul>				
	250	200	<b>DT-2520-CS</b> 140480	1 off
	300	200	<b>DT-3020-CS</b> 140481	
	300	300	<b>DT-3030-CS</b> 140482	
	300	400	<b>DT-3040-CS</b> 140483	
	400	300	<b>DT-4030-CS</b> 140484	
	400	400	<b>DT-4040-CS</b> 140485	
	400	600	<b>DT-4060-CS</b> 140486	
	500	400	<b>DT-5040-CS</b> 140487	
	500	500	<b>DT-5050-CS</b> 140488	
	600	400	<b>DT-6040-CS</b> 140489	
	600	500	<b>DT-6050-CS</b> 140490	
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	600	800	<b>DT-6080-CS</b> 140492	
	700	500	<b>DT-7050-CS</b> 140493	
	800	400	<b>DT-8040-CS</b> 140494	
	800	600	<b>DT-8060-CS</b> 140495	
	800	800	<b>DT-8080-CS</b> 140496	
	800	1000	<b>DT-80100-CS</b> 140497	
	1000	600	<b>DT-10060-CS</b> 140498	
	1000	800	<b>DT-10080-CS</b> 140499	
1000	1000	<b>DT-100100-CS</b> 140500		
1200	600	<b>DT-12060-CS</b> 140501		
1200	800	<b>DT-12080-CS</b> 140502		
1200	1000	<b>DT-120100-CS</b> 140503		
1200	1200	<b>DT-120120-CS</b> 140504		

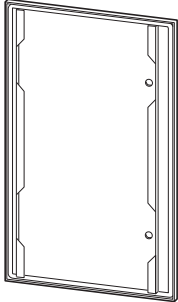




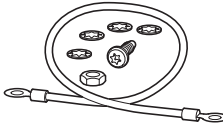



Outdoor installation: Doors closed

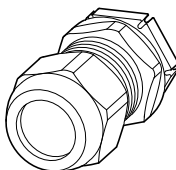
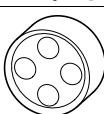

DS-CS

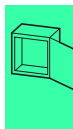
HPL21016EN



	Dimensions Enclosure		Part no. Article no.	Price See price list	Std. pack
	Height	Width			
	mm	mm			
<b>Doors closed</b>					
<ul style="list-style-type: none"> <li>• Enclosure protection type IP66</li> <li>• Sheet steel with powder coating</li> <li>• Without hinges, without lock</li> </ul>					
	250	200	<b>DS-2520-CS</b> 140505		1 off
	300	200	<b>DS-3020-CS</b> 140506		
	300	300	<b>DS-3030-CS</b> 140507		
	300	400	<b>DS-3040-CS</b> 140508		
	400	300	<b>DS-4030-CS</b> 140509		
	400	400	<b>DS-4040-CS</b> 140510		
	400	600	<b>DS-4060-CS</b> 140511		
	500	400	<b>DS-5040-CS</b> 140512		
	500	500	<b>DS-5050-CS</b> 140513		
	600	400	<b>DS-6040-CS</b> 140514		
	600	500	<b>DS-6050-CS</b> 140515		
	600	600	<b>DS-6060-CS</b> 140516		
	600	800	<b>DS-6080-CS</b> 140517		
	700	500	<b>DS-7050-CS</b> 140518		
	800	400	<b>DS-8040-CS</b> 140519		
	800	600	<b>DS-8060-CS</b> 140520		
	800	800	<b>DS-8080-CS</b> 140521		
	800	1000	<b>DS-80100-CS</b> 140522		
	1000	600	<b>DS-10060-CS</b> 140523		
	1000	800	<b>DS-10080-CS</b> 140524		
1000	1000	<b>DS-100100-CS</b> 140525			
1200	600	<b>DS-12060-CS</b> 140526			
1200	800	<b>DS-12080-CS</b> 140527			
1200	1000	<b>DS-120100-CS</b> 140528			
1200	1200	<b>DS-120120-CS</b> 140529			

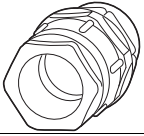
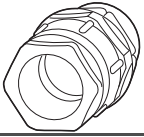
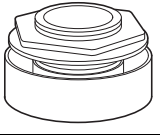
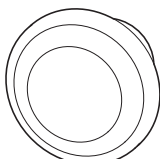


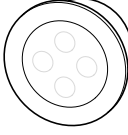


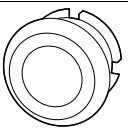
	Features	Part no. Article no.	Price See price list	Std. pack
<b>Door earthing set</b>				
<ul style="list-style-type: none"> <li>• Cross-section 6 mm<sup>2</sup></li> <li>• Including installation accessories</li> </ul>				
	-	<b>BFZ-DES</b> 101665		1 off
<b>Paint finish</b>				
<ul style="list-style-type: none"> <li>• Brush bottle</li> <li>• For repairing paint damage</li> </ul>				
-	RAL 7035	<b>BPZ-CPS-7035</b> 286771		1 off
<b>Circuit diagram pockets</b>				
<ul style="list-style-type: none"> <li>• Plastic with self-adhesive rear side</li> <li>• RAL 7035 light grey</li> </ul>				
	DIN A4 landscape	<b>SPT4</b> 002275		10 off
	DIN A5 landscape	<b>SPT5</b> 002276		
	DIN A6 landscape	<b>SPT6</b> 002277		

	Cable entry	Drilling diameter mm	External diameter of cable mm	For use with NYM/NYY cable, 4-core mm <sup>2</sup>	Part no. Article no.	Price See price list	Std. pack
<b>Metric cable glands to EN 50262</b>							
<ul style="list-style-type: none"> <li>• With lock nut and built-in strain relief</li> <li>• IP68 up to 5 bar, polyamide, halogen-free</li> <li>• Flammability classification V2 according to UL94</li> <li>• Colour RAL 7035</li> </ul>							
	M12	12.5	3 - 7	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 1 x 2.5 mm <sup>2</sup>	<b>V-M12</b> 215078		20 off
	M16	16.5	4.5 - 10	H05VV-F3 x 1.5 mm <sup>2</sup> , NYM 1 x 16/3 x 1.5 mm <sup>2</sup>	<b>V-M16</b> 215077		20 off
	M20	20.5	6 - 13	H05VV-F4 x 2.5/3 x 4 mm <sup>2</sup> , NYM 5 x 1.5/5 x 2.5 mm <sup>2</sup>	<b>V-M20</b> 206910		20 off
	M25	25.5	9 - 17	H05VV-F5 x 2.5/5 x 4 mm <sup>2</sup> , NYM 5 x 2.5/5 x 6 mm <sup>2</sup>	<b>V-M25</b> 206911		20 off
	M32	32.5	13 - 21	NYM 5 x 10 mm <sup>2</sup>	<b>V-M32</b> 206912		10 off
	M40	40.5	16 - 28	NYM 5 x 16 mm <sup>2</sup>	<b>V-M40</b> 209668		10 off
	M50	50.5	21 - 35	NYM 4 x 35/5 x 25 mm <sup>2</sup>	<b>V-M50</b> 206913		5 off
	M63	63.5	34 - 48	NYM 4 x 35 mm <sup>2</sup>	<b>V-M63</b> 214835		3 off
<b>Multiple gaskets for V-M... cable glands, metric</b>							
	M25	-	4 x 5 - 6	H03VV-F2 x 0.75/3 x 0.75 mm <sup>2</sup>	<b>MFD25</b> 215451		50 off
	M32	-	4 x 3.5 - 7	H03VV-F4 x 0.75 mm <sup>2</sup>	<b>MFD32</b> 215452		25 off
<b>Stoppers for unused apertures in MFD... multiple gaskets</b>							
	M25	-	6	-	<b>MFV25-6</b> 215453		50 off
	M32	-	7	-	<b>MFV32-7</b> 215454		50 off

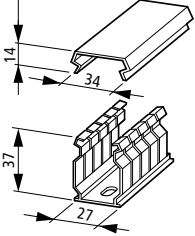
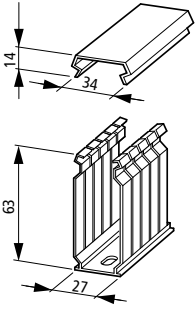
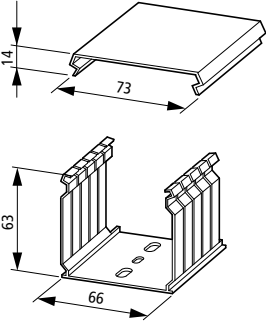
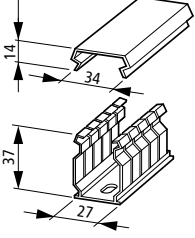


	Part no. Article no.	Price See price list	Std. pack	Information relevant for export to North America 
<b>PG cable glands</b>				
<ul style="list-style-type: none"> <li>• Conduit union and lock nut with earthing screw</li> <li>• Suitable for normal commercial conduit</li> <li>• Suitable for all CI...-NA enclosures → Page 20/9</li> </ul>				
½"	<b>STB1/2ZOLL</b> 045878		1 off 	Product Standards UL 467; UL 514B; CSA-C22.2 No. 18
¾"	<b>STB3/4ZOLL</b> 060116			UL File No. UL CCN CSA File No. CSA Class No. NA Certification Conditions of Acceptability
1"	<b>STB1ZOLL</b> 052997			E23018, E3060 DWTT, KDER LR 2884 4412-03, 4414-04
1 ¼"	<b>STB1-1/4ZOLL</b> 043505			UL Listed, CSA certified Only used in combination with CI-...-NA enclosures
1 ½"	<b>STB1-1/2ZOLL</b> 041132			Yes Conduit, Tubing, and Cable Fittings, Grounding and Bonding Equipment
2"	<b>STB2ZOLL</b> 002203			Refer to main component information
				Specially designed for NA Suitable for
				Degree of Protection
				See also
				Refer to basic component information

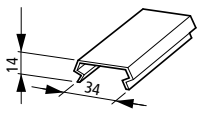
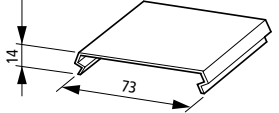
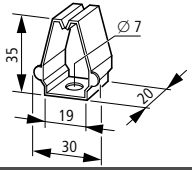
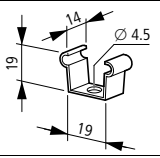
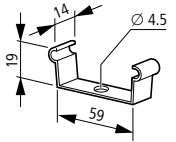
	Cable entry	Drilling diameter mm	External diameter of cable mm	For use with NYM/NYY cable, 4-core mm <sup>2</sup>	Part no. Article no.	Price See price list	Std. pack
<b>Ventilation cable gland</b>							
<ul style="list-style-type: none"> <li>• Colour RAL 7035</li> </ul>							
<b>Ventilation cable gland IP69K</b>							
	M20	20.5	6 - 13	H05VV-F 4 x 2.5/3 x 4 mm <sup>2</sup> , NYM 5 x 1.5/5 x 2.5 mm <sup>2</sup>	<b>V-M20-VENT</b> 120814		1 off
<b>Ventilation cable gland IP56</b>							
<ul style="list-style-type: none"> <li>• Permeable to air, impermeable to dust</li> <li>• For the prevention of condensation</li> </ul> For use in the enclosure bottom or sides, polyamide, halogen free							
	M20	20.5	–	–	<b>STB-M20F</b> 224557		20 off
	M25	25.5	–	–	<b>STB-M25F</b> 224558		20 off
<b>Pressure compensating plug</b>							
<b>Pressure compensating plug, IP66, metric</b>							
Colour RAL 7035							
	M40 x 1.5	–	–	–	<b>DAV-M40</b> 107225		2 off
<b>Pressure compensating plug, IP66, PG</b>							
Colour RAL 7032							
	PG29	–	–	–	<b>DA412</b> 079219		2 off

	Cable entry	Drilling diameter mm	External diameter of cable mm	For use with NYM/NYY cables, 4-core mm <sup>2</sup>	Part no. Article no.	Price See price list	Std. pack
<b>Cable grommets, metric</b>							
<ul style="list-style-type: none"> <li>• IP66, with integrated push-through diaphragm</li> <li>• PE and thermoplastic elastomer, halogen free</li> <li>• Colour RAL 7035</li> </ul>							
	M16	16.5	1 - 9	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 1 x 16/3 x 1.5 mm <sup>2</sup>	<b>KT-M16</b> 216983		100 off
	M20	20.5	1 - 13	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 5 x 1.5/5 x 2.5 mm <sup>2</sup>	<b>KT-M20</b> 207602		
	M25	25.5	1 - 18	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 4 x 10 mm <sup>2</sup>	<b>KT-M25</b> 207603		
	M32	32.5	1 - 25	H03VV-F3 x 0.75 mm <sup>2</sup> , NYM 4 x 16/5 x 10 mm <sup>2</sup>	<b>KT-M32</b> 207604		
<b>PG cable grommets</b>							
<ul style="list-style-type: none"> <li>• For wall thickness 2 - 8 mm</li> <li>• Soft PVC, cadmium and lead-free</li> <li>• Colour similar to RAL 7035</li> </ul>							
	PG13.5	21.5	7 - 16	1.5 - 4	<b>KT13.5</b> 019658		100 off
	PG16	23.5	7 - 17	1.5 - 10	<b>KT16</b> 022031		100 off
	PG21	29.5	12.5 - 20	1.5 - 16	<b>KT21</b> 026777		100 off
	PG29	38	12.5 - 31	1.5 - 35	<b>KT29</b> 029150		50 off
	PG36	48	18 - 40	10 - 70	<b>KT36</b> 033896		20 off
	PG42	55	18 - 47	10 - 95	<b>KT42</b> 038642		10 off
<b>Stepped cable grommets</b>							
<ul style="list-style-type: none"> <li>• For wall thickness 2 - 3 mm,</li> <li>• PVC</li> <li>• Colour RAL 7035</li> </ul>							
	–	58	14 - 54		<b>KT3</b> 031523		2 off
	–	75	14 - 68		<b>KT4</b> 036269		3 off
<b>Pressure compensating grommet</b>							
<ul style="list-style-type: none"> <li>• Ventilation grommet with filter</li> <li>• Fitting below or on side of enclosure</li> <li>• PE and PVC</li> <li>• Colour RAL 7035</li> <li>• Metric and PG</li> </ul>							
	M25	25.5	–		<b>KT-M25F</b> 224556		100 off
	PG16	23.5	–		<b>KT16F</b> 024404		100 off



	Length mm	Loading capacity max. no. of cables (recommended value)	Type and cross-section H 0... V-K mm <sup>2</sup>	Part no. Article no.	Price See price list	Std. pack			
<b>Cable ducts</b>									
<b>Screwable</b>									
	1500	60 40 25 15	0.75 1.5 2.5 4	<b>KL25/35</b> 012531		60 off			
	1500	100 70 45 30 25	0.75 1.5 2.5 4 6				<b>KL25/60</b> 017277		40 off
	1500	260 180 120 80 65	0.75 1.5 2.5 4 6						
<b>Self-adhesive</b> max. ambient temperature +55°C									
	650	60 40 25 15	0.75 1.5 2.5 4	<b>KL25/35K</b> 014904		50 off			



	Length mm	Loading capacity max. no. of cables (recommended value)	Type and cross-section H 0... V-K mm <sup>2</sup>	Part no. Article no.	Price See price list	Std. pack
<b>Cable duct cover</b>						
Supplied as spares						
	1500	-	-	<b>KD25</b> 019649		200 off
	1500	-	-	<b>KD60</b> 024395		100 off
<b>Cable support bracket</b>						
<ul style="list-style-type: none"> <li>• Can be used in KL25/35 (K) cable ducts</li> <li>• Screw fixing</li> </ul>						
	-	15	4	<b>KH25/35</b> 078974		20 off
<b>Clamping brackets for cable ducts</b>						
KL25/...: Mounting spacing: ≅ 500 mm						
	-	-	-	<b>KK25</b> 081347		100 off
KL60/60: Mounting spacing: ≅ 300 mm						
	-	-	-	<b>KK60</b> 083720		100 off



## Technical data

			CS-...
<b>General</b>			
Standards			IEC/EN 60529, IEC 62262, IEC/EN 62208
RoHS			In accordance with Directive 2002/95/EC of the European Parliament and Council
Climatic proofing			Damp heat constant to IEC 60068-2-78; Damp heat, cyclical to IEC 60068-2-30
Ambient temperature		°C	-40 - +70
Protection type			IP66
Protection type with ventilating louvers			IP23
Installation site conditions			Installation indoor/outdoor
Mounting grid		mm	25
Heat dissipation			See separate table
<b>Material properties</b>			
Material			Sheet steel
Surface treatment			Structured powder spray polyester based paint finish
Colour			RAL 7035, light grey
Surface			Semi-textured
Gloss			Brilliant
Body		mm	≤ CS-65/...: 1.2; ≥ CS-66/...: 1.5
Mounting plate		mm	2; from height 800 × width 400 mm: 3
Door		mm	≤ CS-43/...: 1.0; ≤ CS-64/...: 1.2; ≤ CS-88/...: 1.5; ≤ CS-1212/...: 2.0
Bottom panel		mm	1.5
<b>Material properties</b>			
<b>Mechanical</b>			
Impact resistance			IK09 according to EN 62262
Total assembly weight of switch cabinet			See separate table
Assembly weight of door			See separate table
Assembly weight of mounting plate			See separate table
Assembly weight of wall fixing bracket			See separate table
<b>Description/standard features</b>			
Construction			Canted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.
Rear panel			9 mm drilling dimensions for wall mounting
Enclosure side panels			Closed
Top plate flanges			Closed
Bottom panel			Enclosed, foamed gasket, can be unscrewed for F3A flanges - ... or for assembly by user
Mounting panel			Basic features, sheet steel, sendzimir galvanized. Distance from back plate 15 mm. Mounted on M8 copper threaded welded studs on inside of back plate. An additional earth conductor connection is therefore not imperative.
Door			Including 1 one threaded welded stud M6 for earth conductor connections in the door. <b>If electrical apparatus is to be installed in the door, a continuous, permanent protective contactor connection must be established with a protective ground cable. The threaded welded studs on the door and on the cabinet side wall must be used as connecting points for the ground leads.</b>
Hinge position			On the right, can be converted by user
Door opening angle		°	120
Locking system			Twist lock with protective insulation. Standard locking 3 mm two-way key bit.
Locks		Number	See Ordering pages



	Part no.	Maximum heat dissipation $P_v$ Individual enclosure for wall mounting $P_v$ W	Starting enclosure for wall mounting $P_v$ W	Middle enclosure for wall mounting $P_v$ W
<b>Heat dissipation</b>				
Dissipatable heat $P_v$ [W] for fully-enclosed CS sheet steel enclosures without internal partitioning walls for wall mounting. Example: max. ambient air temperature 35 °C; overtemperature $\Delta T = 20$ K; relative humidity = 75%.				
	CS-2520/150	11	10	9
	CS-32/150	13	11	10
	CS-33/150	16	15	14
	CS-33/200	19	18	16
	CS-34/200	23	22	21
	CS-43/150	21	19	18
	CS-43/200	24	22	20
	CS-44/150	25	24	22
	CS-44/200	29	27	25
	CS-46/200	39	37	35
	CS-46/250	44	42	39
	CS-46/300	49	46	43
	CS-54/150	30	28	27
	CS-54/200	35	32	30
	CS-54/250	39	36	33
	CS-55/250	45	42	39
	CS-64/150	35	33	31
	CS-64/200	40	37	34
	CS-64/250	45	42	38
	CS-65/150	42	39	37
	CS-65/200	47	44	41
	CS-65/250	55	49	45
	CS-66/200	54	51	48
	CS-66/250	60	56	52
	CS-66/300	65	61	57
	CS-68/300	81	76	72
	CS-75/200	53	50	47
	CS-75/250	59	55	51
	CS-84/200	51	47	44
	CS-84/250	57	53	48
	CS-86/200	68	64	60
	CS-86/250	75	70	65
	CS-86/300	82	76	70
	CS-88/200	85	81	77
	CS-88/300	101	95	89
	CS-810/300	120	113	108
	CS-106/250	91	85	79
	CS-106/300	99	91	84
	CS-108/250	112	106	100
	CS-108/300	121	113	106
	CS-1010/300	143	136	128
	CS-126/250	106	99	92
	CS-128/300	141	132	123
	CS-1210/300	166	158	149
	CS-1212/250	180	173	166



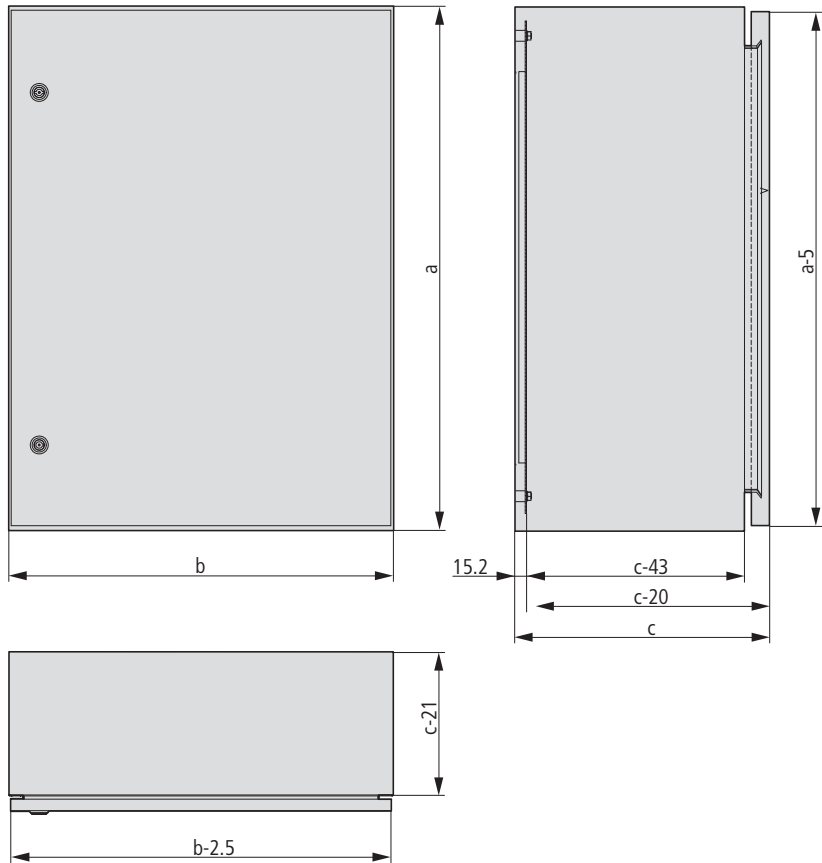
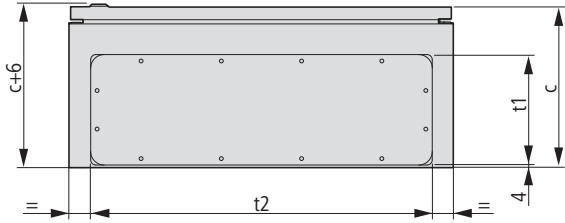


Max. assembly weights				
Part no.	Total assembly weight kg	Assembly weight mounting plate kg	Assembly weight door kg	
<b>WFB-SET-CS</b> 1 set (4 off) wall fixing brackets	–	–	–	500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure.
<b>CS-2520/150</b>	150	125	25	–
<b>CS-32/150</b>	150	125	25	–
<b>CS-33/150</b>	150	125	25	–
<b>CS-33/200</b>	150	125	25	–
<b>CS-34/200</b>	175	150	25	–
<b>CS-43/150</b>	175	150	25	–
<b>CS-43/200</b>	175	150	25	–
<b>CS-44/150</b>	225	200	25	–
<b>CS-44/200</b>	225	200	25	–
<b>CS-46/200</b>	225	200	25	–
<b>CS-46/250</b>	225	200	25	–
<b>CS-46/300</b>	225	200	25	–
<b>CS-54/150</b>	225	200	25	–
<b>CS-54/200</b>	225	200	25	–
<b>CS-54/250</b>	225	200	25	–
<b>CS-55/250</b>	225	200	25	–
<b>CS-64/150</b>	225	200	25	–
<b>CS-64/200</b>	225	200	25	–
<b>CS-64/250</b>	225	200	25	–
<b>CS-65/150</b>	275	250	25	–
<b>CS-65/200</b>	275	250	25	–
<b>CS-65/250</b>	275	250	25	–
<b>CS-66/200</b>	275	250	25	–
<b>CS-66/250</b>	275	250	25	–
<b>CS-66/300</b>	275	250	25	–
<b>CS-68/300</b>	275	250	25	–
<b>CS-75/200</b>	275	250	25	–
<b>CS-75/250</b>	275	250	25	–
<b>CS-84/200</b>	325	300	25	–
<b>CS-84/250</b>	325	300	25	–
<b>CS-86/200</b>	325	300	25	–
<b>CS-86/250</b>	325	300	25	–
<b>CS-86/300</b>	325	300	25	–
<b>CS-88/200</b>	325	300	25	–
<b>CS-88/300</b>	325	300	25	–
<b>CS-810/300</b>	390	350	40	–
<b>CS-106/250</b>	390	350	40	–
<b>CS-106/300</b>	390	350	40	–
<b>CS-108/250</b>	390	350	40	–
<b>CS-108/300</b>	390	350	40	–
<b>CS-1010/300</b>	390	350	40	–
<b>CS-126/250</b>	390	350	40	–
<b>CS-128/300</b>	390	350	40	–
<b>CS-1210/300</b>	390	350	40	–
<b>CS-1212/250</b>	390	350	40	–



**Dimensions**

CS wall-mounting enclosures with door and blank plate  
CS-...



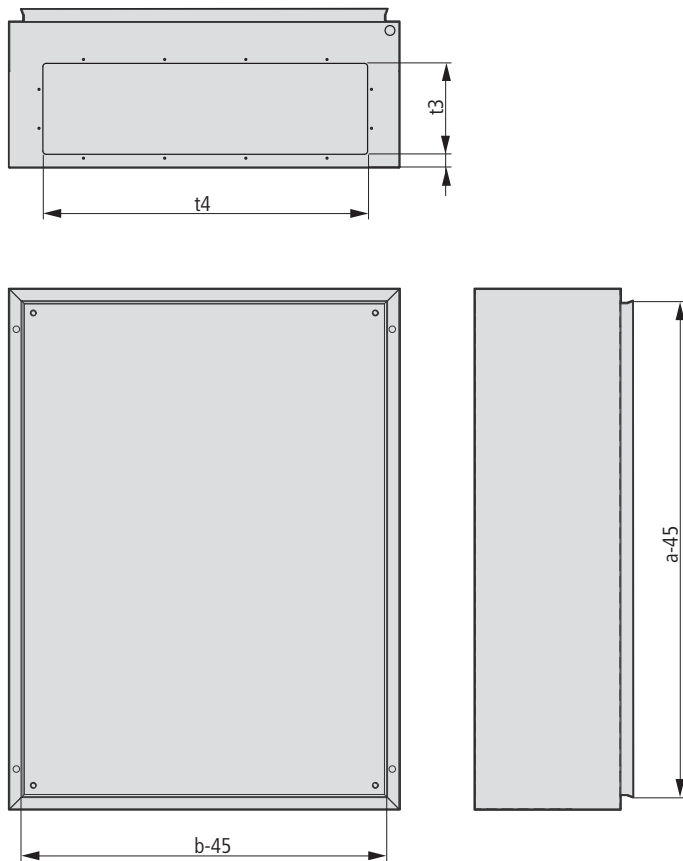
# 21/26 CS sheet steel wall-mounting enclosure

Indoor installation

**CS-..., DT-...-CS, DS-...-CS**

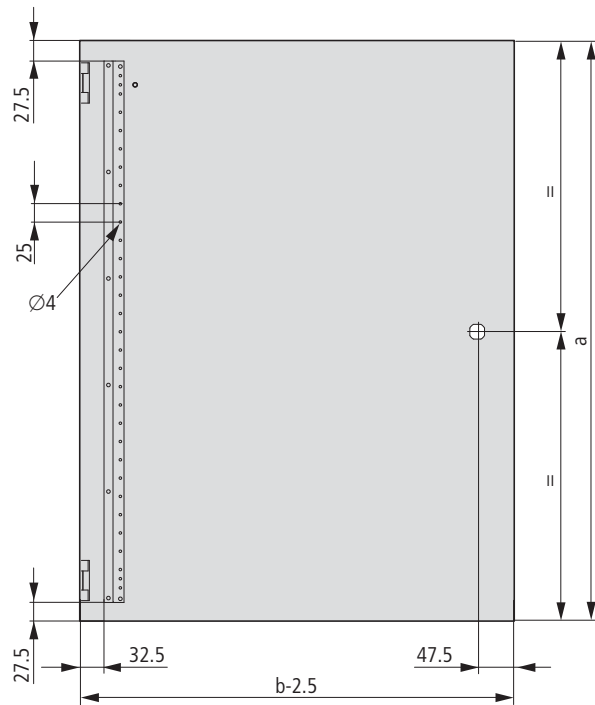
## CS wall-mounting enclosures without door, without blank plate

CS-...

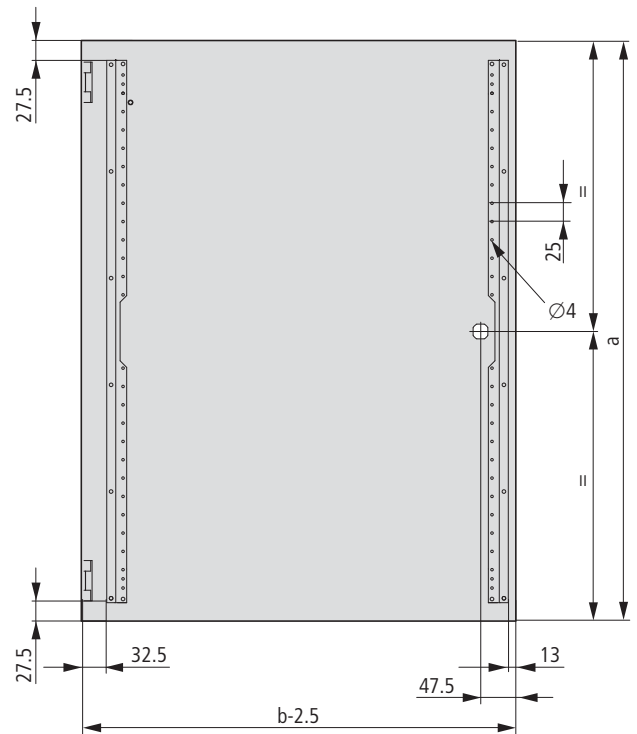


## Internal view, door without enclosure

CS-2520/150, CS-32/150  
DT-2520-CS, DT-3020-CS  
DS-2520-CS, DS-3020-CS



CS-33/..., CS-34/..., CS-4.../...  
DT-3030-CS, DT-3040-CS, DT-4...-CS  
DS-3030-CS, DS-3040-CS, DS-4...-CS



## Enclosure dimensions

Part no.	a	b	c	t1	t2	t3	t4
CS-2520/150	250	200	150	112	182	80	150
CS-32/150	300	200	150	112	182	80	150
CS-33/150	300	300	150	112	232	80	200
CS-33/200	300	300	200	172	262	140	230
CS-34/200	300	400	200	172	332	140	300
CS-43/150	400	300	150	112	232	140	200
CS-43/200	400	300	200	172	262	140	230
CS-44/150	400	400	150	112	332	140	300
CS-44/200	400	400	200	172	332	140	300
CS-46/200	400	600	200	172	532	140	500
CS-46/250	400	600	250	172	532	140	500
CS-46/300	400	600	300	172	532	140	500
CS-54/150	500	400	150	112	332	80	300
CS-54/200	500	400	200	172	332	140	300
CS-54/250	500	400	250	172	332	140	300
CS-55/250	500	500	250	172	432	140	400
CS-64/150	600	400	150	112	332	80	300
CS-64/200	600	400	200	172	332	140	300
CS-64/250	600	400	250	172	332	140	300
CS-65/150	600	500	150	112	332	80	300
CS-65/200	600	500	200	172	432	140	400
CS-65/250	600	500	250	172	432	140	400
CS-66/200	600	600	200	172	532	140	500
CS-66/250	600	600	250	172	532	140	500
CS-66/300	600	600	300	172	532	140	500
CS-68/300	600	800	300	172	732	140	700
CS-75/200	700	500	200	172	432	140	400
CS-75/250	700	500	250	172	432	140	400
CS-84/200	800	400	200	172	332	140	300
CS-84/250	800	400	250	172	332	140	300
CS-86/200	800	600	200	172	532	140	500
CS-86/250	800	600	250	172	532	140	500
CS-86/300	800	600	300	172	532	140	500
CS-88/200	800	800	200	172	732	140	700
CS-88/300	800	800	300	172	732	140	700
CS-810/300	800	1000	300	172	932	140	900
CS-106/250	1000	600	250	172	532	140	500
CS-106/300	1000	600	300	172	532	140	500
CS-108/250	1000	800	250	172	732	140	700
CS-108/300	1000	800	300	172	732	140	700
CS-1010/300	1000	1000	300	172	932	140	900
CS-126/250	1200	600	250	172	532	140	500
CS-128/300	1200	800	300	172	732	140	700
CS-1210/300	1200	1000	300	172	932	140	900
CS-1212/250	1200	1200	250	2 x 172	532	2 x 140	500

## Door dimensions

Housing Height	Width	Door	
		Height	Width
250	200	248	197.5
300	200	298	197.5
300	300	298	297.5
300	400	298	397.5
400	300	398	297.5
400	400	398	397.5
400	600	398	597.5
500	400	498	397.5
500	500	498	497.5
600	400	598	397.5
600	500	598	497.5
600	600	598	597.5
600	800	598	797.5
700	500	698	497.5
800	400	798	397.5
800	600	798	597.5
800	800	798	797.5
800	1000	798	997.5
1000	600	998	597.5
1000	800	998	797.5
1000	1000	998	997.5
1200	600	1198	597.5
1200	800	1198	797.5
1200	1000	1198	997.5
1200	1200	1198	1197.5



# 21/28 CS sheet steel wall-mounting enclosure

Indoor installation

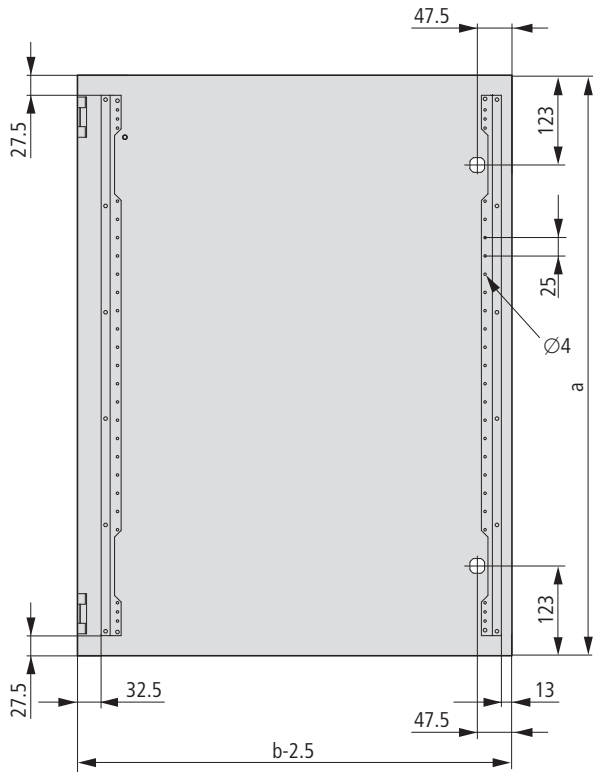
**CS-..., DT-...-CS, DS-...-CS**

## Internal view, door without enclosure

CS-5.../..., CS-6.../..., CS-7.../...

DT-5...-CS, DT-6...-CS, DT-7...-CS

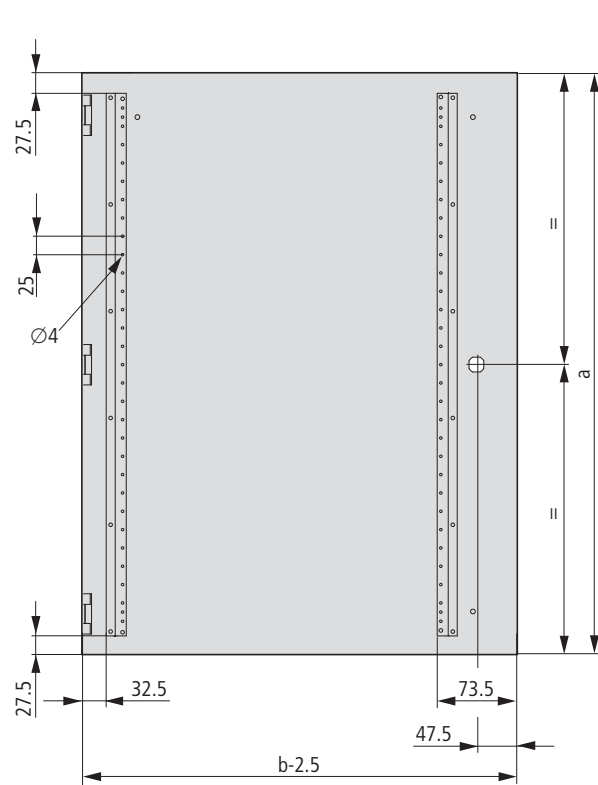
DS-5...-CS, DS-6...-CS, DS-7...-CS



CS-10.../..., CS-12.../...

DT-10...-CS, DT-12...-CS

DS-10...-CS, DS-12...-CS

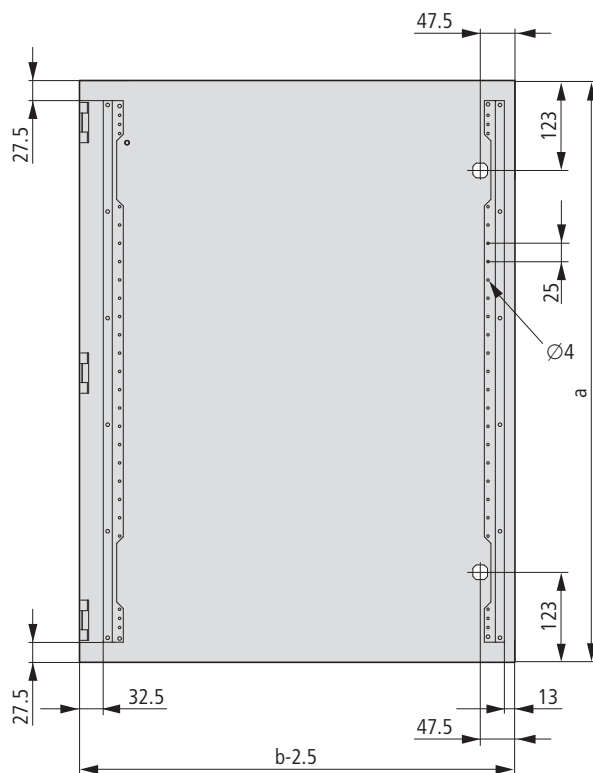


## Internal view, door without enclosure

CS-8.../...

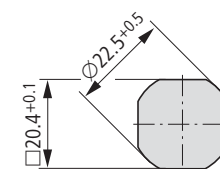
DT-8...-CS

DS-8...-CS



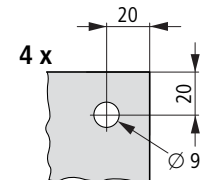
## Mounting aperture

CS-...



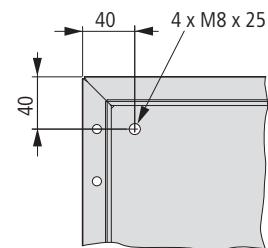
## Position of the 4 drilling dimensions for wall fixing in the enclosure rear panel

CS-...



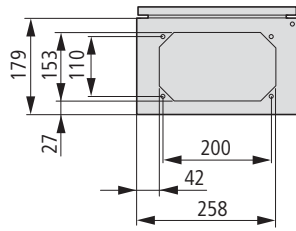
## Position of the 4 threaded studs in the enclosure rear panel

CS-...

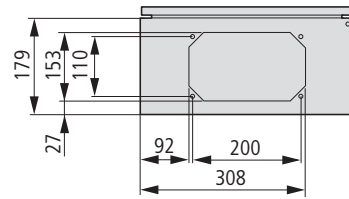


**F3A enclosure base with flange apertures**

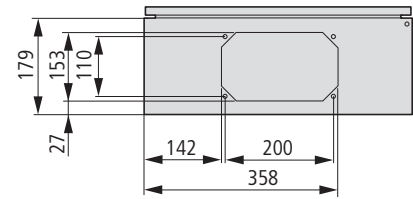
300 x 200



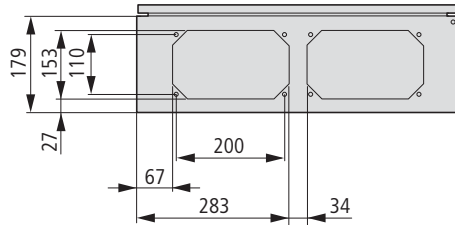
400 x 200



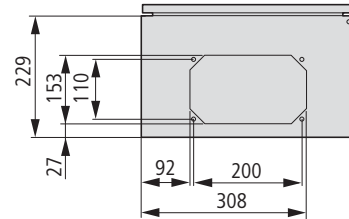
500 x 200



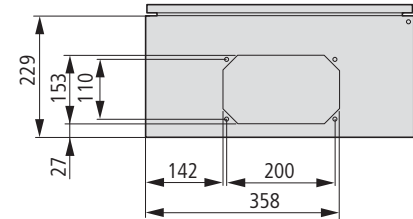
600 x 200



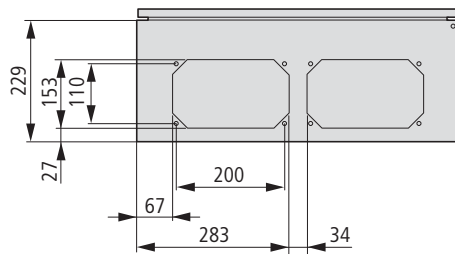
400 x 250



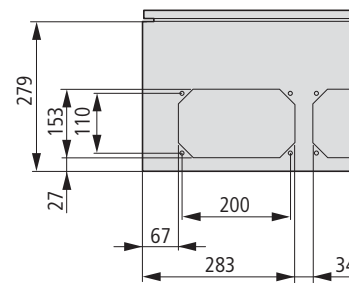
500 x 250



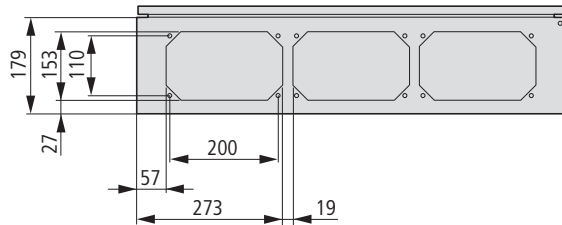
600 x 250



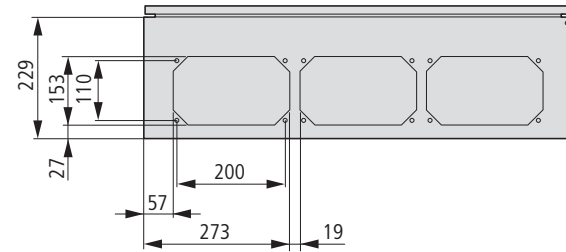
600 x 300



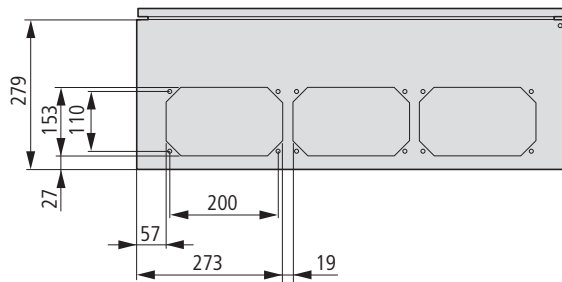
800 x 200



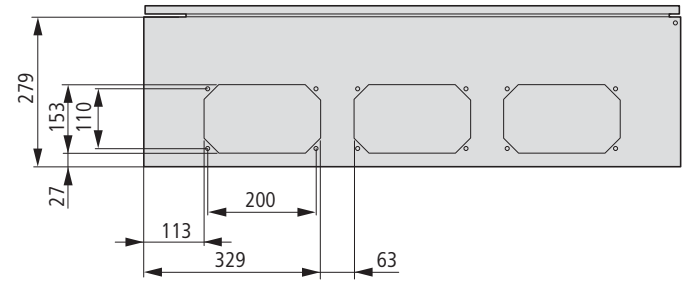
800 x 250



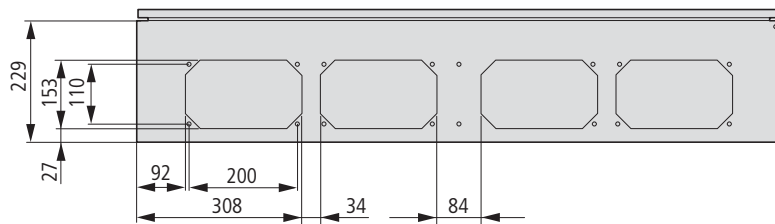
800 x 300



1000 x 300



1200 x 250



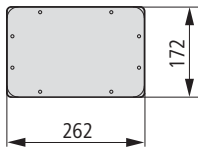
# 21/30 CS sheet steel wall-mounting enclosure

Indoor installation

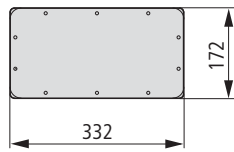
CS-..., MPP, MPL, TS

## Blank plate (equipment supplied)

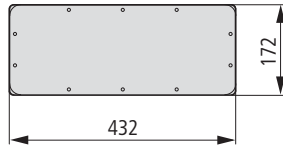
300 x 200



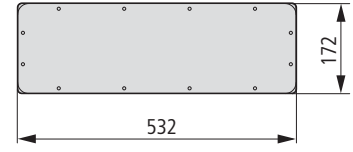
400 x 200



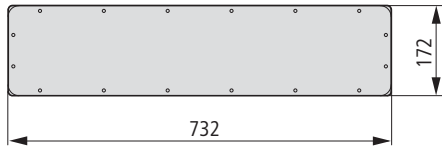
500 x 200



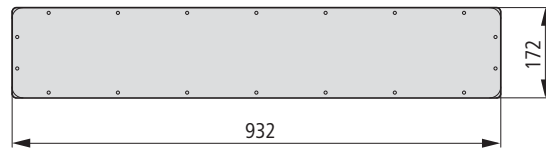
600 x 200



800 x 200



1000 x 200

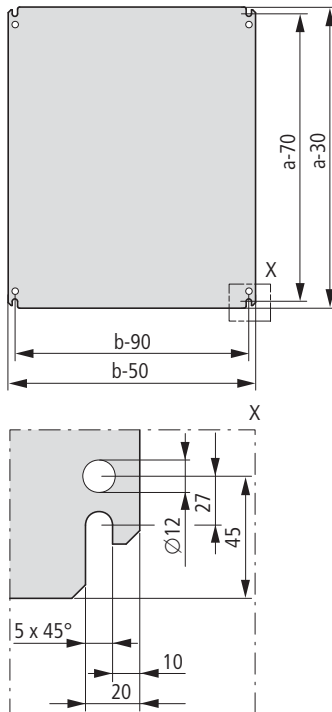


## Mounting plates

MPP-...-CS

MPL-.../RAL2000-CS

MPL-...-CS

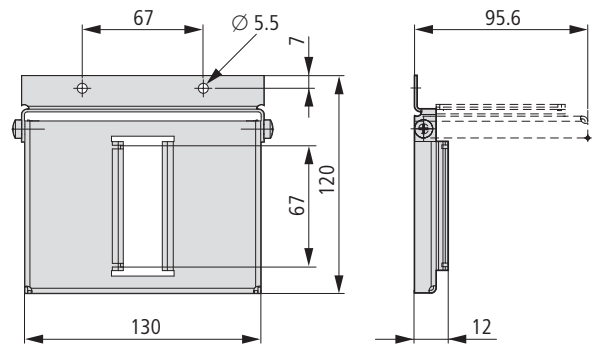


a, b = Enclosure dimensions

Part no.	Mounting plate	
	Height	Width
CS-2520/150	220	150
CS-32/150	270	150
CS-33/150	270	250
CS-33/200	270	250
CS-34/200	270	350
CS-43/150	370	250
CS-43/200	370	250
CS-44/150	370	350
CS-44/200	370	350
CS-46/200	370	550
CS-46/250	370	550
CS-46/300	370	550
CS-54/150	470	350
CS-54/200	470	350
CS-54/250	470	350
CS-55/250	470	450
CS-64/150	570	350
CS-64/200	570	350
CS-64/250	570	350
CS-65/150	570	450
CS-65/200	570	450
CS-65/250	570	450
CS-66/200	570	550
CS-66/250	570	550
CS-66/300	570	550
CS-68/300	550	770
CS-75/200	670	450
CS-75/250	670	450
CS-84/200	770	350
CS-84/250	770	350
CS-86/200	770	550
CS-86/250	770	550
CS-86/300	770	550
CS-88/200	770	750
CS-88/300	770	750
CS-810/300	770	950
CS-106/250	970	550
CS-106/300	970	550
CS-108/250	970	750
CS-108/300	970	750
CS-1010/300	970	950
CS-126/250	1170	550
CS-128/300	1170	750
CS-1210/300	1170	950
CS-1212/250	1170	1150

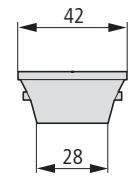
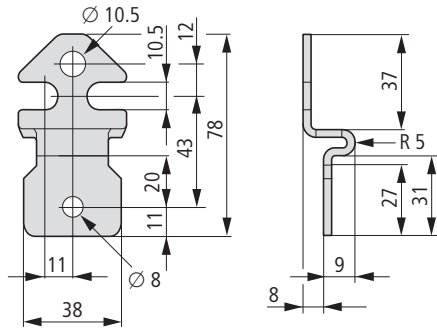
## Mounting rail module for soft starters

TS35-DS4-CS



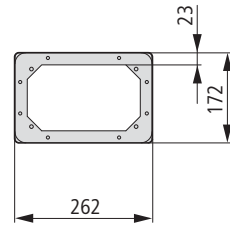
Wall fixing bracket

WFB-SET-CS

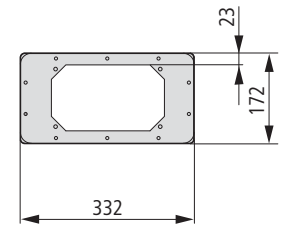


Base panels with flange apertures (for F3A...flange)

AFP-3-CS

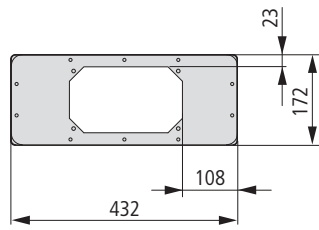


AFP-4-CS



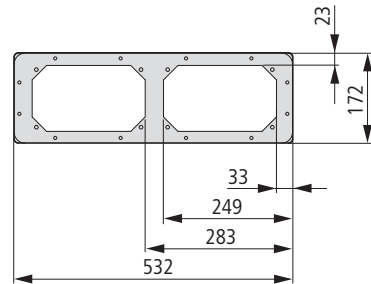
Base panels with flange apertures (for F3A...flange)

AFP-5-CS

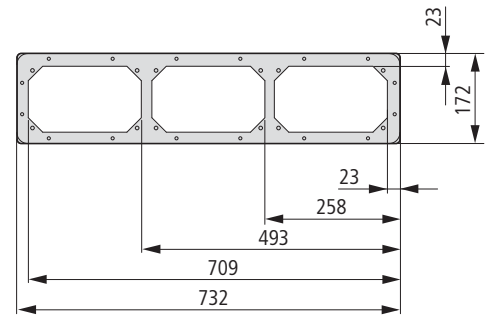


AFP-6-CS

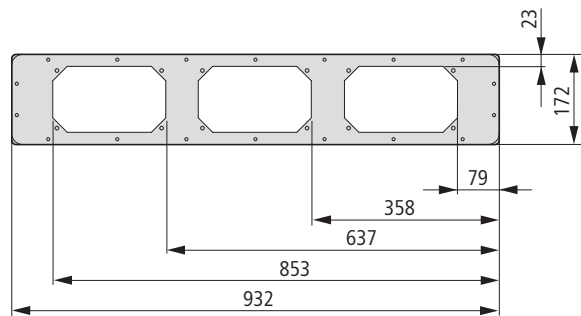
AFP-12-CS = 2 x AFP-6-CS



AFP-8-CS

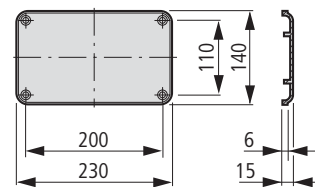


AFP-10-CS

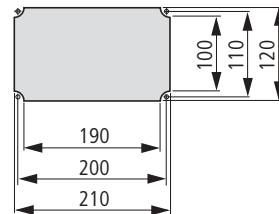


Flanges

F3A-..., ZSD-2K/FLA



Flange aperture





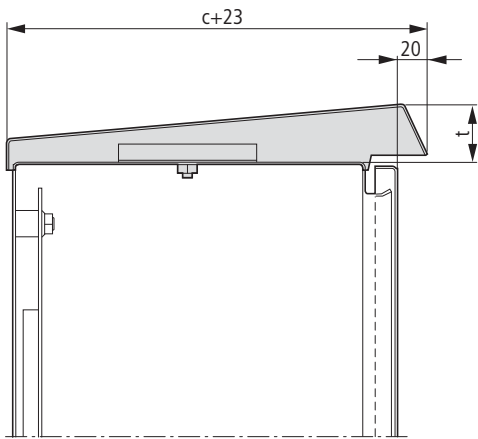
# 21/32 CS sheet steel wall-mounting enclosure

Outdoor installation

**CNP, LVP**

## Rain canopies

CNP-...-CS

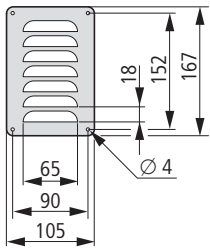


Part no.	c + 23	t
CNP-2/150-CS	173	30
CNP-3/150-CS	173	30
CNP-3/200-CS	223	34
CNP-4/150-CS	173	30
CNP-4/200-CS	223	34
CNP-4/250-CS	273	38
CNP-5/150-CS	173	30
CNP-5/200-CS	223	34
CNP-5/250-CS	273	38
CNP-6/200-CS	223	34
CNP-6/250-CS	273	38
CNP-6/300-CS	323	42
CNP-8/200-CS	223	34
CNP-8/250-CS	273	38
CNP-8/300-CS	323	42
CNP-10/300-CS	323	42
CNP-12/250-CS	273	38

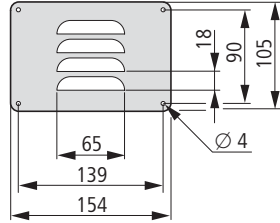
c = Enclosure depth

## Ventilating louvers

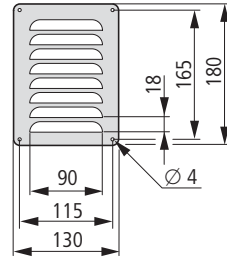
LVP-20V12-CS



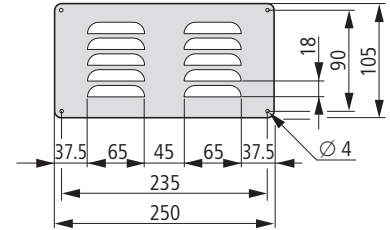
LVP-20H12-CS



LVP-30V15-CS



LVP-30H15-CS



## Cable glands, ventilation cable glands, cable grommet

→ See chapter 16, Accessories for panel building

