



SR2 Enclosures for Automation



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SR2 Enclosures

General characteristics

The range of SR2 enclosures is a complete offer of monobloc enclosures for constructing small and medium-sized electric automation, switching and control switchboards.

The SR2 enclosures come from the experience ABB has gained over the years in building IP65 metal structures (in accordance with the CEI EN 60529 Standard), together with the innovative new production process used for construction and patented by ABB.

The typical use of SR2 Enclosures is to make switchgear and controlgear switchboards for a very wide variety of industrial machines: from large machinery with automated production lines or parts of these, down to the typical installations of on-board machine switchboards, boilers, heating plants and so on.

They conform to the EN 62208 Standard "Empty enclosures for low voltage protection switchgear and controlgear assemblies" and allow realization of electrical equipment conforming to the prescriptions of the CEI EN 60204-1 Standard "Safety of machinery. Electrical equipment of machines" and of the EN 60439-1 Standard and the new EN 61439-1-2 Standard "Low voltage protection switchgear and controlgear for assemblies". The degree of protection, in accordance with the CEI EN 60529 Standard "Degrees of protection of enclosures (IP Code)", is IP65.

The SR2 enclosures have also passed the control required to obtain the UL (Underwriters Laboratories) and CSA (Canadian Standards Association) Type 12 marks.

The SR2 enclosures also allow secondary distribution switchboards to be made, thanks to the possibility, in the 400, 600 and 800 mm widths, of installing the whole range of apparatus and modular circuit-breakers on DIN rails combined with special pre-drilled and hinged modular front panels, thereby allowing construction of AS/ANS type electrical switchgear conforming to the CEI EN 60439-1 Standard and the new EN 61439-1-2 Standard. A single line of metalwork structures therefore allows construction of automation and secondary and end distribution electrical switchboards thanks to the availability of a series of accessories (modular panels, DIN rails) and to the possibility of stacking the enclosures.



The SR2 enclosures have been designed to fulfil all the typical needs of the builder or installer of switchgear in the best way possible and the user is presented with a unique ensemble of functional characteristics:

- wide dimensional range
- certified IP65 degree of protection
- internal galvanised sheet mounting plate with 20/10 thickness (made to allow threaded holes to be made easily), adjustable in depth by using a special accessory
- fairlead plate screwed on (at top and bottom) made of 15/10 thick galvanised sheet, with a sealing gasket applied inside
- complete reversibility of the enclosure, so the door can open either on the right or on the left-hand side
- possibility of installing all the apparatus and modular circuit-breakers on a DIN rail combined with a hinged modular panel.



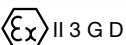
The standard colour is RAL 7035 orange peel. On request, the SR2 enclosures can be ordered in a wide range of RAL colours (see page 7/12).

Technical characteristics

Conformity with the Standard CEI EN 62208, CEI EN 60439-1, IEC 61439-1-2

Degree of protection IP65 (CEI EN 60529)
TYPE 12 (UL Standard)

Degree of mechanical strength IK10 blind door
IK09 glazed door
(IEC 62262)

Certifications   

Type of material Metallic

Installation site Indoors

Fixing method floor/wall

Normal service conditions

- ambient temperature from -5 to +40° C

Atmospheric conditions - relative humidity 50% at 40° C

90% at 20° C

SR2 Enclosures

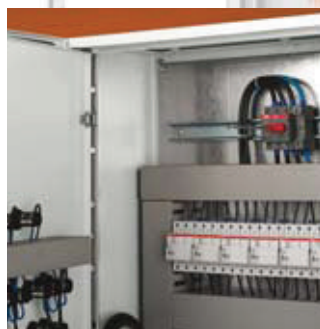
General characteristics

The SR2 enclosures are available in two versions (blind door or glazed door) and in 23 different dimensions, as well as a further 19 combinations obtained by stacking the enclosures, up to a maximum height of 2000 mm, which guarantee ample selection possibilities for the various end applications.

Both the enclosures with glazed door or blind door can be stacked: stacking is done simply by removing the fairlead plates and inserting the IP65 sealing gasket (GZ....), made of neoprene with closed cells.

Assembly of the stacked enclosures is carried out by means of the same holes used for the fairlead plates.

The door is supplied with the enclosure (single code) so as to reduce the number of articles and assembly times.

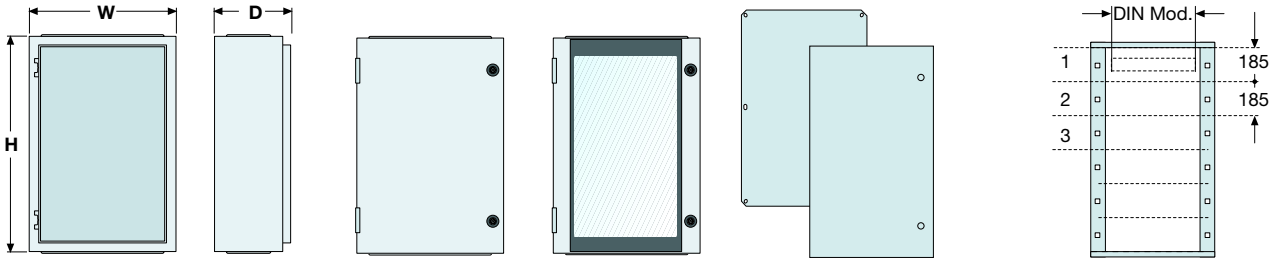


The range is completed with a series of accessories: brackets for wall assembly, rain shield top cover, locks of various types, internal document pocket, spacers, and spray paint for touching up. Installation on the floor is possible using the plinth ZA....

SR2 Enclosures

Selection table

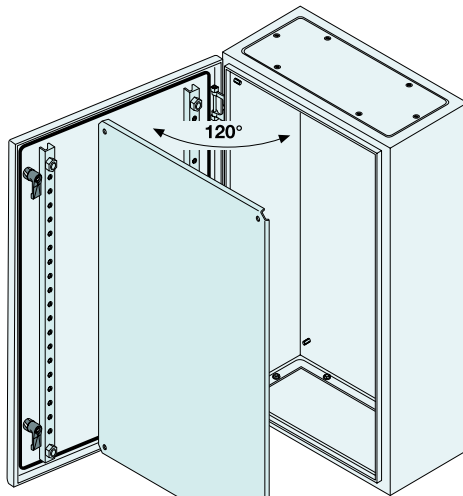
Selection table



Overall dimensions			Enclosures with blind door + back plate	Enclosure with glazed door	Kit for automation		Kit for distribution Supports for mounting modular panels			
H mm	W mm	D mm			Blind counterdoor IP20	Back plate	N° vertical mod. H=185mm	N° DIN mod. per row	Total modules	DIN Supports
300	200	150	SRN3215K							
	300		SRN3315K							
	400		SRN3415K							
400	300	150	SRN4315K							
	300		SRN4320K							
	400	200	SRN4420K							
	600		SRN4620K							
500	300	200	SRN5320K							
	400		SRN5420K	SRN5420VK	KC5040K	PF5040	2	14	28	KD5040K
	400	250	SRN5425K	SRN5425VK	KC5040K	PF5040	2	14	28	KD5040K
600	400	200	SRN6420K	SRN6420VK	KC6040K	PF6040	3	14	42	KD6040K
	400		SRN6425K	SRN6425VK	KC6040K	PF6040	3	14	42	KD6040K
	600	250	SRN6625K							
700	500	200	SRN7520K	SRN7520VK	KC7050K	PF7050				
	500	250	SRN7525K	SRN7525VK	KC7050K	PF7050				
800	600	250	SRN8625K	SRN8625VK	KC8060K	PF8060	4	25	100	KD8060K
	600		SRN8630K	SRN8630VK	KC8060K	PF8060	4	25	100	KD8060K
	800	300	SRN8830K							
1000	600	250	SRN10625K	SRN10625VK	KC1060K	PF1060	5	25	125	KD1060K
	600		SRN10630K	SRN10630VK	KC1060K	PF1060	5	25	125	KD1060K
	800	300	SRN10830K	SRN10830VK	KC1080K	PF1080	5	36	180	KD1080K
1200	600	300	SRN12630K	SRN12630VK	KC1260K	PF1260	6	25	150	KD1260K
	800		SRN12830K	SRN12830VK	KC1280K	PF1280	6	36	216	KD1280K

SR2 Enclosures

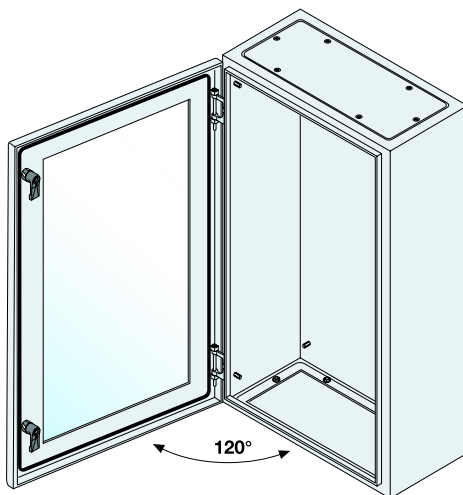
Ordering codes



SR2 Enclosures with blind door (internal plate included)

The enclosures with blind door, typically for making automation switchgear, are already fitted with the internal galvanised sheet mounting plate.

Code	Description	Dimensions mm (HxWxD)
SRN3215K	Enclosure with blind door + back plate	300x200x150
SRN3315K	Enclosure with blind door + back plate	300x300x150
SRN3415K	Enclosure with blind door + back plate	300x400x150
SRN4315K	Enclosure with blind door + back plate	400x300x150
SRN4320K	Enclosure with blind door + back plate	400x300x200
SRN4420K	Enclosure with blind door + back plate	400x400x200
SRN4620K	Enclosure with blind door + back plate	400x600x200
SRN5320K	Enclosure with blind door + back plate	500x300x200
SRN5420K	Enclosure with blind door + back plate	500x400x200
SRN5425K	Enclosure with blind door + back plate	500x400x250
SRN6420K	Enclosure with blind door + back plate	600x400x200
SRN6425K	Enclosure with blind door + back plate	600x400x250
SRN6625K	Enclosure with blind door + back plate	600x600x250
SRN7520K	Enclosure with blind door + back plate	700x500x200
SRN7525K	Enclosure with blind door + back plate	700x500x250
SRN8625K	Enclosure with blind door + back plate	800x600x250
SRN8630K	Enclosure with blind door + back plate	800x600x300
SRN8830K	Enclosure with blind door + back plate	800x800x300
SRN10625K	Enclosure with blind door + back plate	1000x600x250
SRN10630K	Enclosure with blind door + back plate	1000x600x300
SRN10830K	Enclosure with blind door + back plate	1000x800x300
SRN12630K	Enclosure with blind door + back plate	1200x600x300
SRN12830K	Enclosure with blind door + back plate	1200x800x300



SR2 Enclosures with glazed door

The enclosures with glazed door are also used for distribution configurations.

The internal equipment is made, alternatively, by selecting the special kits:

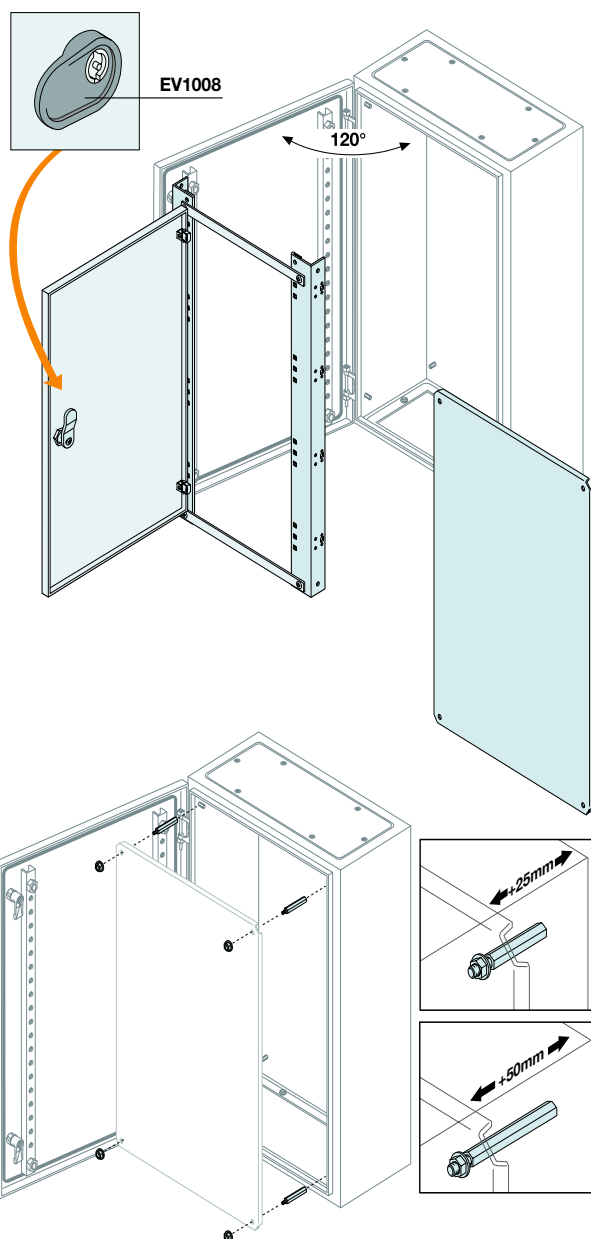
- **KD... (Distribution Kit)** consisting of a pair of functional uprights for assembly of the modular panels (to be ordered separately) and of any compensation panel (see page 2/8).

The modular panels, which can also be installed on the enclosures with blind door with the help of the KD.. kit itself, are all hinged and have vertical modularity of 185 mm.

Code	Description	Dimensions mm (HxWxD)
SRN5420VK	Enclosure with glazed door	500x400x200
SRN5425VK	Enclosure with glazed door	500x400x250
SRN6420VK	Enclosure with glazed door	600x400x200
SRN6425VK	Enclosure with glazed door	600x400x250
SRN7520VK	Enclosure with glazed door	700x500x200
SRN7525VK	Enclosure with glazed door	700x500x250
SRN8625VK	Enclosure with glazed door	800x600x250
SRN8630VK	Enclosure with glazed door	800x600x300
SRN10625VK	Enclosure with glazed door	1000x600x250
SRN10630VK	Enclosure with glazed door	1000x600x300
SRN10830VK	Enclosure with glazed door	1000x800x300
SRN12630VK	Enclosure with glazed door	1200x600x300
SRN12830VK	Enclosure with glazed door	1200x800x300

SR2 Enclosures

Ordering codes



Blind counterdoor

The internal counterdoor guarantees IP20 degree of protection. Made of steel sheet 15/10mm thick, galvanized and painted orange peel RAL 7035 colour, complete with the **EV1008** ergonomic box and insert with double tongue.

Code	Description	Dimensions mm (HxW)
KC5040K	Blind counterdoor	500x400
KC6040K	Blind counterdoor	600x400
KC7050K	Blind counterdoor	700x500
KC8060K	Blind counterdoor	800x600
KC1060K	Blind counterdoor	1000x600
KC1080K	Blind counterdoor	1000x800
KC1260K	Blind counterdoor	1200x600
KC1280K	Blind counterdoor	1200x800

Blind internal mounting plate

Internal galvanised sheet mounting plate 20/10mm thick complete with fixing with small items provided. Possibility of adjusting the depth with the help of a special spacer kit (to be ordered separately).

Code	Description	Dimensions mm (HxW)
PF3020	Blind back plate for enclosure	300x200
PF3030	Blind back plate for enclosure	300x300
PF3040	Blind back plate for enclosure	300x400
PF4030	Blind back plate for enclosure	400x300
PF4040	Blind back plate for enclosure	400x400
PF4060	Blind back plate for enclosure	400x600
PF5030	Blind back plate for enclosure	500x300
PF5040	Blind back plate for enclosure	500x400
PF6040	Blind back plate for enclosure	600x400
PF6060	Blind back plate for enclosure	600x600
PF7050	Blind back plate for enclosure	700x500
PF8060	Blind back plate for enclosure	800x600
PF8080	Blind back plate for enclosure	800x800
PF1060	Blind back plate for enclosure	1000x600
PF1080	Blind back plate for enclosure	1000x800
PF1260	Blind back plate for enclosure	1200x600
PF1280	Blind back plate for enclosure	1200x800

Clip nuts

For slotted plates with M6x10mm hexagonal head screws.

Code	Description
TQ6610	N°20 clip nuts

Spacer Kit for adjusting the depth of the back plates

Kit consisting of 12 spacers for fixing the back plate with the possibility of adjusting the depth with 25 mm pitch.

Code	Description
AA8025	N°12 spacers 25mm long
AA8050	N°12 spacers 50mm long

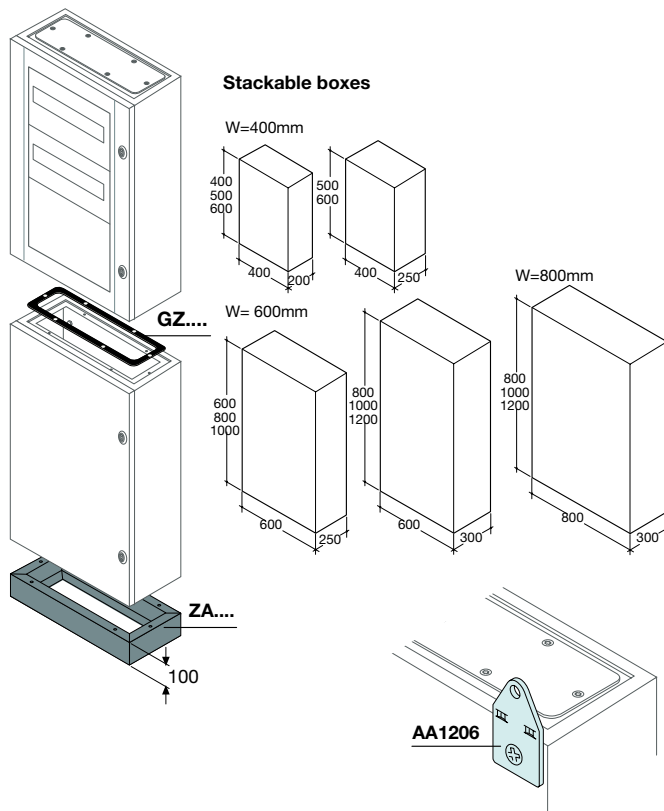
Slotted internal mounting plate

Fixing with small items provided. Possibility of adjusting the depth with the help of a special spacer kit (to be ordered separately).

Code	Description	Dimensions mm (HxW)
TQ3020	Back plate for enclosure	300x200
TQ3030	Back plate for enclosure	300x300
TQ3040	Back plate for enclosure	300x400
TQ4030	Back plate for enclosure	400x300
TQ4040	Back plate for enclosure	400x400
TQ4060	Back plate for enclosure	400x600
TQ5030	Back plate for enclosure	500x300
TQ5040	Back plate for enclosure	500x400
TQ6040	Back plate for enclosure	600x400
TQ6060	Back plate for enclosure	600x600
TQ7050	Back plate for enclosure	700x500
TQ8060	Back plate for enclosure	800x600
TQ8080	Back plate for enclosure	800x800
TQ1060	Back plate for enclosure	1000x600
TQ1080	Back plate for enclosure	1000x800
TQ1260	Back plate for enclosure	1200x600
TQ1280	Back plate for enclosure	1200x800

SR2 Enclosures

Ordering codes



Brackets for wall fixing

These allow wall installation of the enclosures and are mounted by using the special holes positioned on the rear of the enclosures. Construction in sheet steel 25/10mm thick and subjected to yellow passivated galvanisation treatment.

Code	Description
AA1206	N° 4 brackets for wall fixing

Accessories for stacking

IP65 Gasket

Code	Description	Dimensions mm (WxD)
GZ4020	IP65 gasket	400x200
GZ4025	IP65 gasket	400x250
GZ6025	IP65 gasket	600x250
GZ6030	IP65 gasket	600x300
GZ8030	IP65 gasket	800x300

Plinth

Steel plinth 25/10 thick grey RAL7012 color.

Code	Description	Dimensions mm (WxDxH)
ZA4020	Plinth	400x200x100
ZA4025	Plinth	400x250x100
ZA6025	Plinth	600x250x100
ZA6030	Plinth	600x300x100
ZA8030	Plinth	800x300x100

Heater for IP20 electrical switchboards

This eliminates any condensation inside the switchboard and consists of a thermistor/PTC (with positive temperature coefficient) which does not give out constant heat, but heat proportional to the temperature inside the switchboard. Snap-on mounting on DIN rail. Requires a thermostat.

Code	Description	Dimensions mm (HxLxP)
VA7930	Anti-condensation heater 30W, 110-240 Vac-dc	115x42x42
VA7950	Anti-condensation heater 50W, 110-240 Vac-dc	165x42x42
VA7975	Anti-condensation heater 75W, 110-240 Vac-dc	210x42x42

Selection of heater

$$Pe = (L + P) \times H \times K1 \times K2 \times K3.$$

Pe = Electric power required
H, W, D = Cabinet dimensions
K1 = Cabinet position
K2 = Cabinet external temperature
K3 = Type of climate

	K1	K2	K3
internal	7	0-10 °C	5
external	8	-5 °C	10
external exp	10	-10 °C	15
		-15 °C	20
		-20 °C	25
		-30 °C	35
		-50 °C	55
			dry
			normal
			damp
			1,3
			1
			0,9

Example:

Cabinet H=2m / W=0.6m / D=0.4m

K1 = 7

K2 = 10

K3 = 1

Pe (W) = (0.8+0.3) x 1.2 x 7 x 5 x 1 = 46

Heater recommended: VA7950 (50W)

IP30 Thermostat

Conforms to EN 60730-1, EN 60730-2-9 Standards, UL approval, IP20 degree of protection. Grey RAL 7035 colour; electrical life 100,000 cycles.

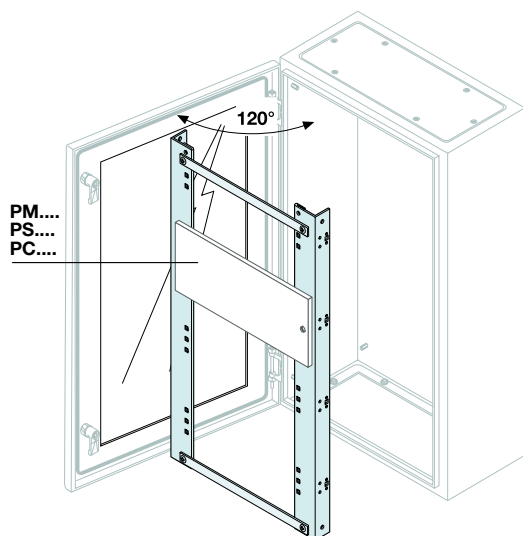
Dimensions (hwxwd) 61x29x45mm, can be mounted on all the types of DIN rail. The version with NO (normally open) contact allows closure of a circuit activating ventilation, air conditioning, or alarms. The version with NC (normally closed) contact allows opening of a circuit, disconnecting any anti-condensation resistances.

Code	Description	Standard power supply V~/50-60Hz
EN0101K	NO ventilation thermostat	110/250
EN0102K	NC heating thermostat	110/250

	Power supply	Contact capacity	Load L	Temperature scale	Type of contact	Weight
EN0101K	110/250~	10A	2A	-10 +80 °C	NO	48g
EN0102K	110/250~	10A	2A	-10 +80 °C	NC	48g

SR2 Enclosures

Ordering codes



Frame for DIN rail

Internal supports for fixing modular panels and DIN rails, colour RAL 7035 orange peel.

Code	Description	Dimensions mm (HxW)
KD5040	Supports for assembly of DIN panels (14 DIN mod.) x 2 rows	500x400
KD6040	Supports for assembly of DIN panels (14 DIN mod.) x 3 rows	600x400
KD8060	Supports for assembly of DIN panels (25 DIN mod.) x 4 rows	800x600
KD1060	Supports for assembly of DIN panels (25 DIN mod.) x 5 rows	1000x600
KD1260	Supports for assembly of DIN panels (25 DIN mod.) x 6 rows	1200x600
KD1080	Supports for assembly of DIN panels (36 DIN mod.) x 5 rows	1000x800
KD1280	Supports for assembly of DIN panels (36 DIN mod.) x 6 rows	1200x800

Modular hinged panels for modular apparatus (DIN rail and fixing brackets included)

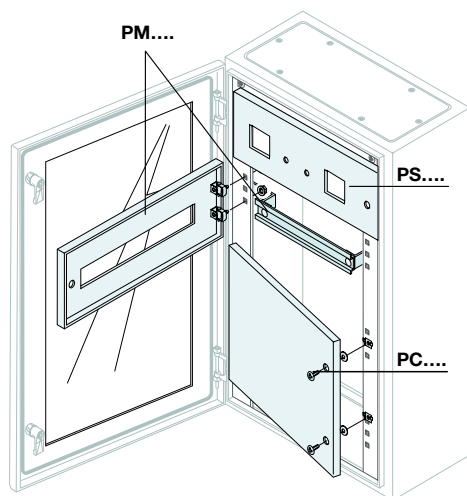
Modular panels made of 12/10mm thick sheet steel painted RAL 7032 colour orange peel. The modular hinged panels can be mounted on the enclosures by using the special kit (KD...) consisting of functional uprights and compensation panel. The hinges patented by ABB, allow automatic earthing for panel contact when it is closed and are also prepared for conventional earthing (with a cable).

Each modular panel (PM) has a DIN rail provided (adjustable in depth), the fixing brackets and the relative small items.

Modular and circuit-breakers and Tmax moulded-case circuit-breakers up to T3 can be placed side by side on the same DIN rail using the special depth adapter AP 6001. To install moulded-case circuit-breakers, it is necessary to fix the DIN rail in a position towards the back.

The fixing brackets of the DIN rail allow the wiring duct to be mounted up to a maximum size of 60 x 60 mm.

Code	Description	Dimensions mm (HxW)
PM1414K	Mod. panel (14mod.) + DIN rail + fixing bracket	185x400
PM1625K	Mod. panel (25mod.) + DIN rail + fixing bracket	185x600
PM1836K	Mod. panel (36mod.) + DIN rail + fixing bracket	185x800

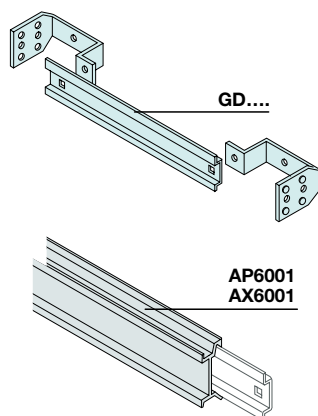


Modular hinged panels for measuring instruments

Code	Description	Dimensions mm (HxW)
PS2476K	Mod. panel for 2 72x72mm instruments	185x400
PS2676K	Mod. panel for 2 72x72mm instruments	185x600
PS2876K	Mod. panel for 2 72x72mm instruments	185x800

Modular hinged blind panels

Code	Description	Dimensions mm (HxW)
PC1406K	Modular blind panel	185x400
PC1606K	Modular blind panel	185x600
PC1806K	Modular blind panel	185x800
PC2606K	Modular blind panel	370x600
PC2806K	Modular blind panel	370x800



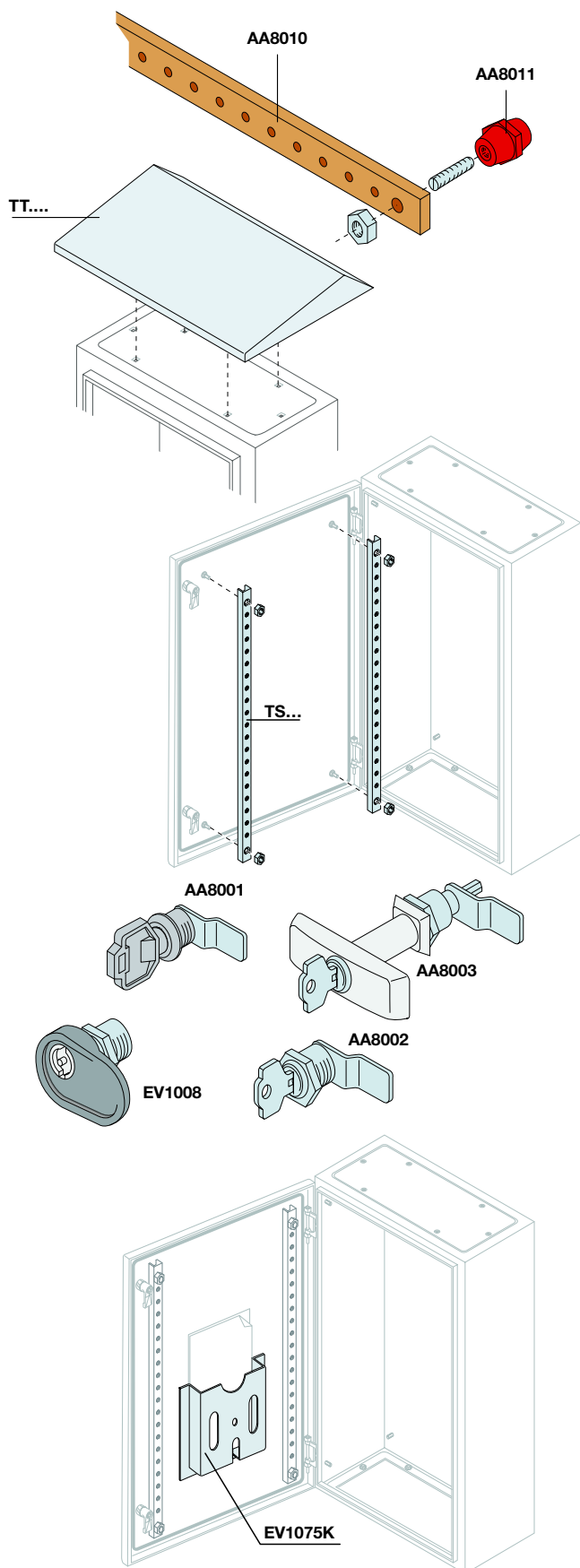
Code	Description	Dimensions mm (L)
GD4006	DIN rail and fixing brackets (14 mod.)	400
GD6006	DIN rail and fixing brackets (25 mod.)	600
GD8006	DIN rail and fixing brackets (36 mod.)	800

Depth adapter

Code	Description	Dimensions mm (L)
AP6001	N°1 depth adapter for Tmax T1-T2-T3	600
AX6001	N°1 depth adapter for Tmax XT	600

SR2 Enclosures

Ordering codes



Neutral or earthing busbars

The busbars, made of electrolytic copper with M6 threaded holes with 25 mm pitch, can be mounted on the back plates by means of the special supports. They must be sized according to the enclosure and the position they are installed in.

Code	Description	Dimensions mm (W)
AA8010	N° 4 busbars sect. 20x5mm	1000
AA8011	N° 5 supports for busbar	

Spray protection roofs

To improve protection against entry of liquids and rain. Made of 15/10mm thick sheet steel, painted RAL 7035 colour orange peel.

Code	Description	Dimensions mm (WxD)
TT2015K	Spray protection roof	200x150
TT3015K	Spray protection roof	300x150
TT4015K	Spray protection roof	400x150
TT3020K	Spray protection roof	300x200
TT4020K	Spray protection roof	400x200
TT5020K	Spray protection roof	500x200
TT6020K	Spray protection roof	600x200
TT4025K	Spray protection roof	400x250
TT5025K	Spray protection roof	500x250
TT6025K	Spray protection roof	600x250
TT6030K	Spray protection roof	600x300
TT8030K	Spray protection roof	800x300

Shaped sections for accessories

These allow fixing of accessories (e.g. wiring ducts) inside the blind doors. They consist of a pair of vertical crosspieces made of 15/10mm thick white galvanised sheet, pre-drilled with 2.5 mm pitch. In the enclosures with 1000 and 1200 mm height with blind door, the shaped sections are already provided.

Code	Description	Dimensions mm (H)
TS6009	N° 2 shaped sections for door	600
TS7009	N° 2 shaped sections for door	700
TS8009	N° 2 shaped sections for door	800

Closing systems

These can replace the standard closures of the external doors. The inserts are interchangeable and easily replaced by loosening a single nut.

Code	Description
AA8001 ⁽¹⁾	Box Ø 19mm double tongue and plastic key (spare part)
AA8002 ⁽¹⁾	Box Ø 19mm with security insert and Yale type key
AA8003 ⁽¹⁾	Box Ø 19mm with handle and Yale type key
AA5200 ⁽¹⁾	Box Ø 19mm with triangular insert
AA5190	Plastic key for triangular insert AA5200
EV1008	Ergonomic box complete with double tongue insert (without tongue)
EV1036	Single code Yale insert for EV1008
EV1037	Ronis 455 insert for EV1008
EV1039	3mm Double tongue insert for EV1008

⁽¹⁾ Only for external door

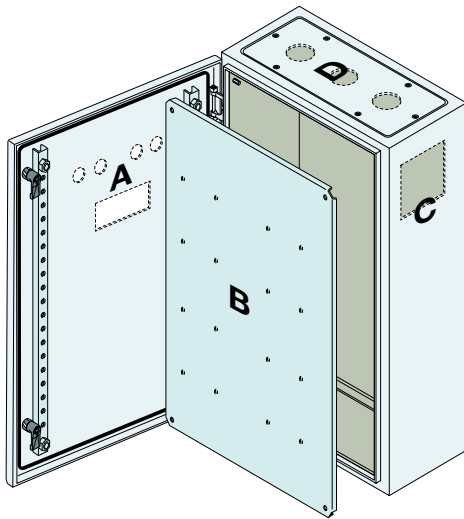
Document pocket

Made of plastic, RAL 7035 colour, A4 size. The pocket can be glued inside the blind door with a width of more than 400 mm, using the adhesives provided.

Code	Description
EV1075K	Document pocket

SR2 Enclosures

Ordering codes



Special Painting Service

See page 7/12 for the colours available.

Code	Description
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VERNSR	Extra cost for special SR painting
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Special painting service to manage with code of enclosure **SRN..../SPEC.**
Remind to insert a note for colour in the order.

Special Drilling service

For overall dimensions see page 9/47.

Code	Description
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FORSR	Overprice for special drilling of door/plate/enclosure/flange SR2
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Special drilling service to be manages with code **SRN..../SPEC.**

It is necessary to include the layout drawing of the drillings (see pag.

9/47 for useful drilling areas). Special drilling and painting service to be managed with code **SRN..../SPEC.** It is necessary to include the layout drawing of the drillings and to specify the colour note in the order.

Spray paint

For touching up - grey RAL7035 colour.

Code	Description
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VB7035	400ml can
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Spare parts

Codice	Descrizione
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AA1203	N. 16 screws and nuts M6x14 for flange
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FLN3215K	N. 2 fairlead plates for SRN3215K
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FLN3315K	N. 2 fairlead plates for SRN3315K-SRN4315K
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FLN3415K	N. 2 fairlead plates for SRN3415K
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FLN4320K	N. 2 fairlead plates for SRN4320K-SRN5320K
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FLN4420K	N. 2 fairlead plates for SRN4420K-SRN5420K-SRN6420K
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FLN4425K	N. 2 fairlead plates for SRN5425K-SRN6425K
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FLN4620K	N. 2 fairlead plates for SRN4620K
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FLN6625K	N. 2 fairlead plates for SRN6625K-SRN8625K-SRN10625K
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FLN7520K	N. 2 fairlead plates for SRN7520K
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FLN7525K	N. 2 fairlead plates for SRN7525K
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FLN8630K	N. 2 fairlead plates for SRN8630K-SRN10630K-SRN12630K
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FLN8830K	N. 2 fairlead plates for SRN8830K-SRN10830K-SRN12830K
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PRN1066K	Blind door 1000x600mm (hxl)
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PRN1086K	Blind door 1000x800mm (hxl)
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PRN1266K	Blind door 1200x600mm (hxl)
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PRN1286K	Blind door 1200x800mm (hxl)
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PRN3026K	Blind door 300x200mm (hxl)
-----------------	----------------------------

PRN3006K	Blind door 300x300mm (hxl)
-----------------	----------------------------

PRN3046K	Blind door 300x400mm (hxl)
-----------------	----------------------------

PRN4036K	Blind door 400x300mm (hxl)
-----------------	----------------------------

PRN4046K	Blind door 400x400mm (hxl)
-----------------	----------------------------

PRN4066K	Blind door 400x600mm (hxl)
-----------------	----------------------------

PRN5036K	Blind door 500x300mm (hxl)
-----------------	----------------------------

PRN5046K	Blind door 500x400mm (hxl)
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PRN6046K	Blind door 600x400mm (hxl)
-----------------	----------------------------

PRN6066K	Blind door 600x600mm (hxl)
-----------------	----------------------------

PRN7056K	Blind door 700x500mm (hxl)
-----------------	----------------------------

PRN8066K	Blind door 800x600mm (hxl)
-----------------	----------------------------

PRN8086K	Blind door 800x800mm (hxl)
-----------------	----------------------------

PTN1066K	Glazed door 1000x600mm (hxl)
-----------------	------------------------------

PTN1086K	Glazed door 1000x800mm (hxl)
-----------------	------------------------------

PTN1266K	Glazed door 1200x600mm (hxl)
-----------------	------------------------------

PTN1286K	Glazed door 1200x800mm (hxl)
-----------------	------------------------------

PTN5046K	Glazed door 500x400mm (hxl)
-----------------	-----------------------------

PTN6046K	Glazed door 600x400mm (hxl)
-----------------	-----------------------------

PTN7056K	Glazed door 700x500mm (hxl)
-----------------	-----------------------------

PTN8066K	Glazed door 800x600mm (hxl)
-----------------	-----------------------------

EV1008	Ergonomic box complete with double tongue insert (without tongue)
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SR2 EMC Enclosures

General characteristics and ordering codes

The range of SR2 Enclosures has been enriched with the EMC (Electromagnetic Compatibility) version. The new version has undergone shielding efficiency tests with success according to the MIL STD 285: 1956 Standard.

This series of products is suitable for making small and medium-sized electric switchboards for automation, operation and control. The electromagnetic compatibility problem also requires attention when selecting enclosures and cabinets. The increased number of components in the operation and regulation electronics and the high processing speeds of signals increasingly often leave a possibility of introducing errors which can be attributed to electromagnetic interference.

These interferences may be caused continuously, periodically or at random, from internal or external sources, which generate electric, magnetic or electromagnetic fields.

The suitability tests according to MIL STD 285: 1956 ("Attenuation measurements for enclosures, electromagnetic shielding, for electronic test purposes, method of") have confirmed conformity of the SR2 EMC enclosure with the requirements of the standard.

The attenuation level (measured in dB) remains at high levels for a wide spectrum of frequencies (from 30MHz to 10GHz). The SR2 galvanized sheet enclosures are painted externally with orange peel RAL 7035 colour.

Furthermore, they do not have cable entry flanges on the roof and on the base.

Technical characteristics

Conformity with the Standard	CEI EN 62208
Degree of protection	IP54 (CEI EN 60529)
Degree of mechanical strength	IK10 blind door (IEC 62262)

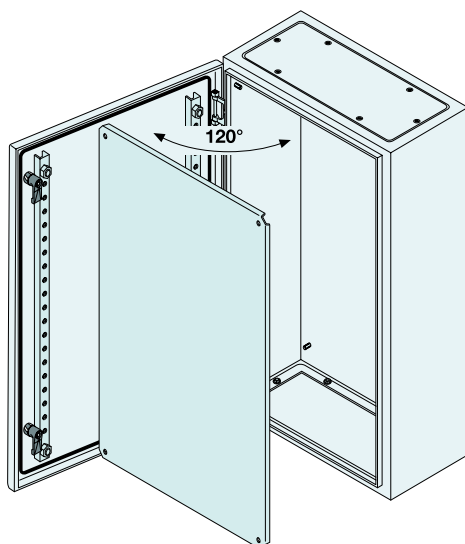
Certifications



Type of material	Metallic
Installation site	Indoors
Fixing method	floor/wall
Normal service conditions	
- ambient temperature	from -5 to +40°C
Atmospheric conditions – relative humidity	50% at 40°C 90% at 20°C



2



IP54 - EMC Enclosures with blind door

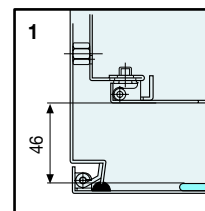
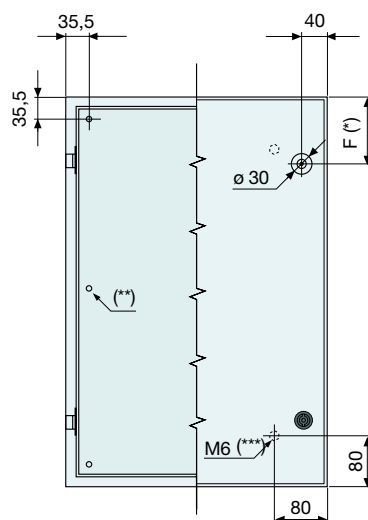
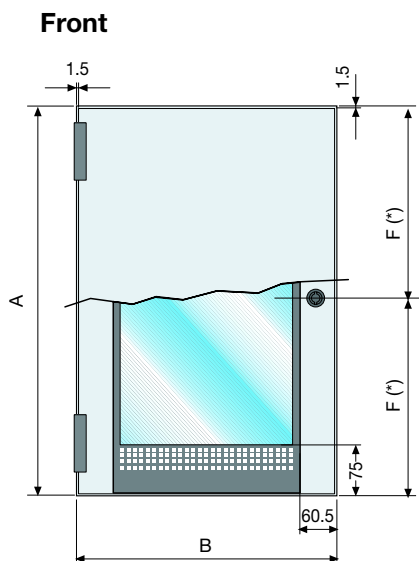
The enclosures with blind door, typically destined for making automation switchboards, are already provided with the internal galvanized sheet plate.

Code	Description	Dimensions mm (HxWxD)
SR4620EMCK	Enclosure with blind door	400x600x200
SR6625EMCK	Enclosure with blind door	600x600x250
SR10830EMCK	Enclosure with blind door	1000x800x300

For completion of the structure, see accessories on page 2/6

SR2 Enclosures

Basic version



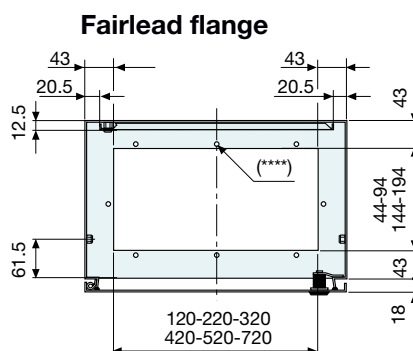
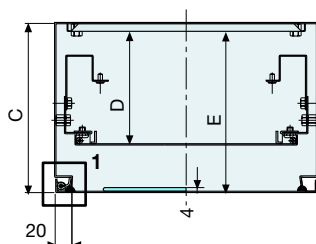
(*) **Locks (F)**
 n\1 central for enclosures from
 h=303 to 503 mm
 n\2 for enclosures from
 h=603 to 703 mm (F=100mm)
 n\2 for enclosures from
 h=803 to 1203 mm (F=150mm)

(**) **Copper plated nut**
only for enclosures from h=1003 to
1203 mm

(*) Copper plated nut on door**
 nY1 for enclosures from h=303 to 503 mm
 nY4 for enclosures from h=603 to 803 mm
 nY6 for enclosures from h=1003 to 1203 mm

(**) Flange fixing holes**
 nY4 for enclosures from l=203mm
 nY6 for enclosures from l=303 to 403 mm
 nY8 for enclosures from l=503 to 1203 mm

For drilling see page 9/47



	A	B	C	D	E	F (")	G	H	I	L
SRN3215K	303	203	147	82	133,5	151,5	163	337	237	263
SRN3315K	303	303	147	82	133,5	151,5	263	337	337	263
SRN3415K	303	403	147	82	133,5	151,5	363	337	437	263
SRN4315K	403	303	147	82	133,5	201,5	263	437	337	363
SRN4320K	403	303	197	132	183,5	201,5	263	437	337	363
SRN4420K	403	403	197	132	183,5	201,5	363	437	437	363
SRN4620K	403	603	197	132	183,5	201,5	563	437	637	363
SRN5320K	503	303	197	132	183,5	251,5	263	537	337	463
SRN5420K	503	403	197	132	183,5	251,5	363	537	437	463
SRN5425K	503	403	247	182	233,5	251,5	363	537	437	463
SRN6420K	603	403	197	132	183,5	100	363	637	437	563
SRN6425K	603	403	247	182	233,5	100	363	637	437	563
SRN6625K	603	603	247	182	233,5	100	563	637	637	563
SRN7520K	703	503	197	132	183,5	100	463	737	537	663
SRN7525K	703	503	247	182	233,5	100	463	737	537	663
SRN8625K	803	603	247	182	233,5	150	563	837	637	763
SRN8630K	803	603	297	232	283,5	150	563	837	637	763
SRN8830K	803	803	297	232	283,5	150	763	837	837	763

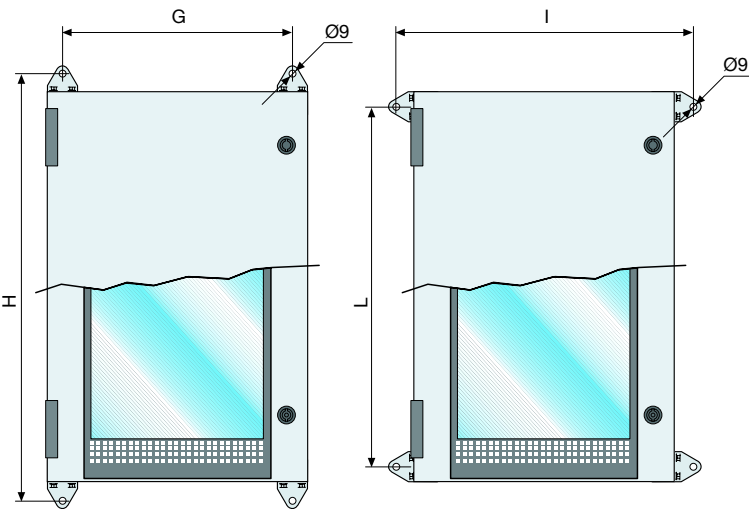
	A	B	C	D	E	F (°)	G	H	I	L
SRN10625K	1003	603	247	182	233,5	150	563	1037	637	963
SRN10630K	1003	603	297	232	283,5	150	563	1037	637	963
SRN10830K	1003	803	297	232	283,5	150	763	1037	837	963
SRN12630K	1203	603	297	232	283,5	150	563	1237	637	1163
SRN12830K	1203	803	297	232	283,5	150	763	1237	837	1163
SRN5420VK	503	403	197	132	183,5	150	363	537	437	463
SRN5425VK	503	403	247	182	233,5	150	363	537	437	463
SRN6420VK	603	403	197	132	183,5	150	363	637	437	563
SRN6425VK	603	403	247	182	233,5	150	363	637	437	563
SRN7520VK	703	503	197	132	183,5	150	463	737	537	663
SRN7525VK	703	503	247	182	233,5	150	463	737	537	663
SRN8625VK	803	603	247	182	233,5	150	563	837	637	763
SRN8630VK	803	603	297	232	283,5	150	563	837	637	763
SRN10625VK	1003	603	247	182	233,5	150	563	1037	637	963
SRN10630VK	1003	603	297	232	283,5	150	563	1037	637	963
SRN10830VK	1003	803	297	232	283,5	150	763	1037	837	963
SRN12630VK	1203	603	297	232	283,5	150	563	1237	637	1163
SRN12830VK	1203	803	297	232	283,5	150	763	1237	837	1163

Measurements are in millimetres

Overall dimensions

SR2 Enclosures

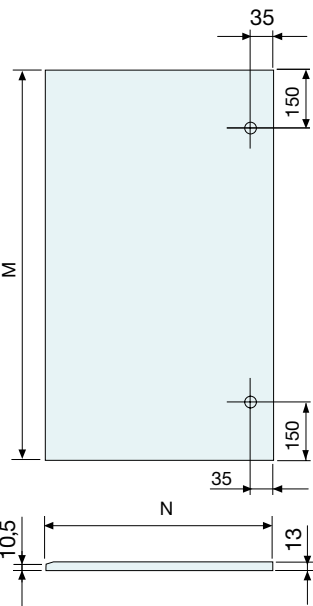
Centre distances for wall fixing



Centre distances for plinth fix



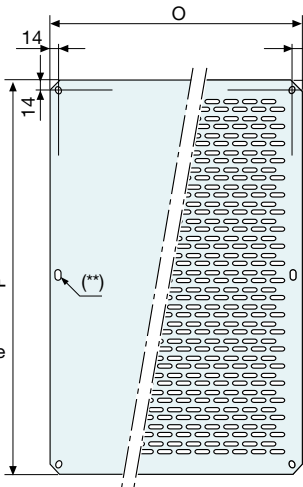
Internal counterdoors



Code	M	N
KC5040K*	456	360
KC6040K*	556	360
KC7050K*	656	460
KC8060K	756	560
KC1060K	956	560
KC1080K	956	760
KC1260K	1156	560
KC1280K	1156	760

* The counterdoors with H 500mm, 600mm and 700mm, only have one hole in the centre for the lock

Internal plates



Code	O	P
PF3020	160	260
PF3030	260	260
PF3040 - PF4030	360	260
PF4040	360	360
PF5030	260	460
PF5040	360	460
PF6040 - PF4060	360	560
PF6060	560	560
PF7050	460	660
PF8060	560	760
PF8080	760	760
PF1060	560	960
PF1080	760	960
PF1260	560	1160
PF1280	760	1160

Measurements are in millimetres

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