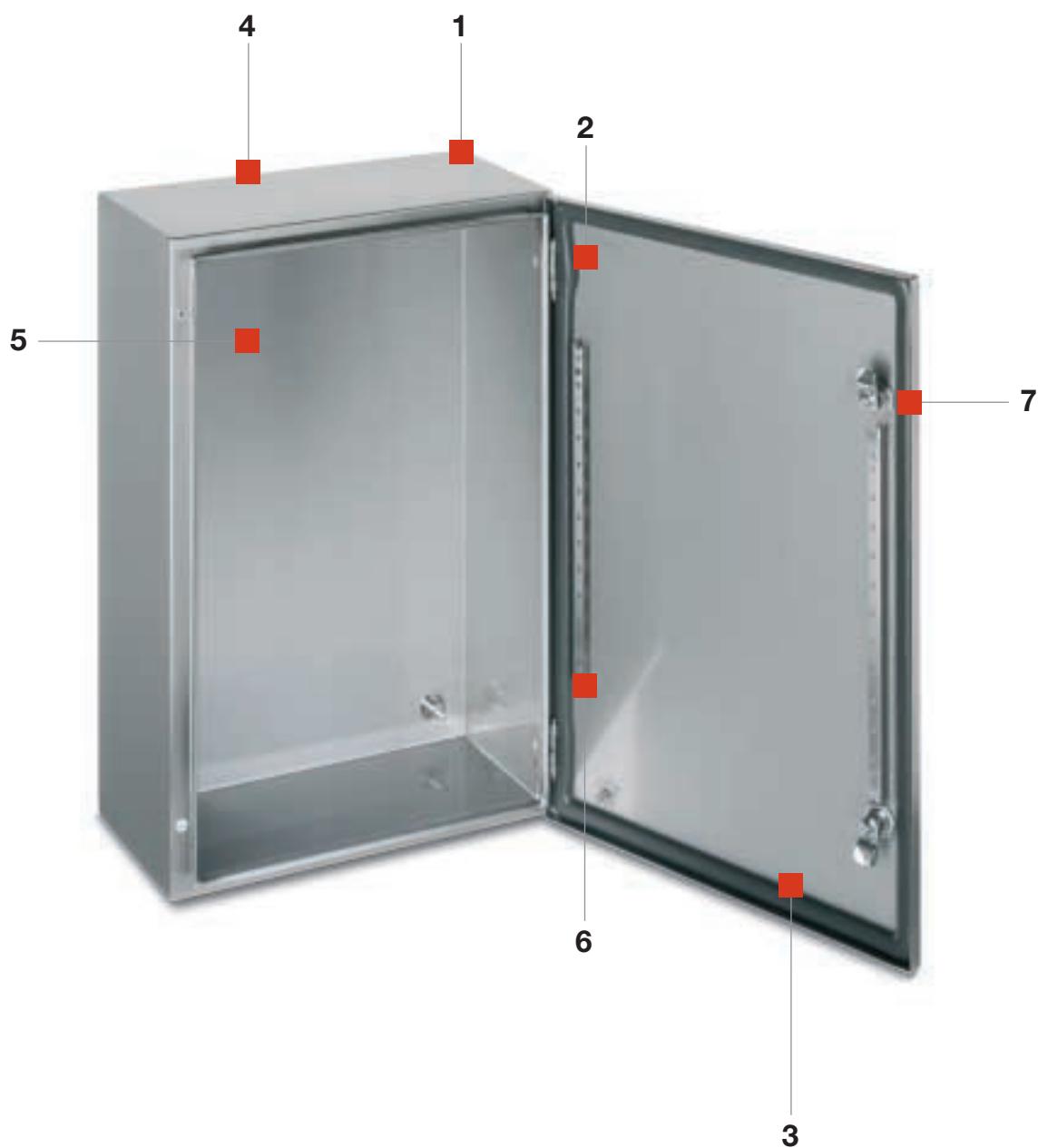


CRSX-CRXH stainless steel enclosures for permanent protection





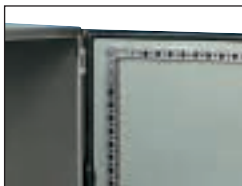
New range:

- Glazed door.
- Double door.
- 2 stainless steel qualities: 304L and 316L.
- 2 types of finish: brushed and microbeading.
- Microbeading on request.



1

- Stainless steel wall fixing brackets 304 or 316L.
- 4 drillings in rear of enclosure for mounting directly on machine.



2

- Stainless steel hinges.
- Reinforcement frame on the door.



3

Watertightness:

- Degree of protection IP66 (IEC 60529): total protection against dust & water jets.
- Polyurethane or neoprene gasket.
- Front gutterprofile.
- Three-point locking for double door.



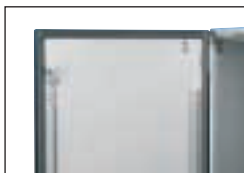
4

- Stainless steel accessories: canopies, wall-fixing brackets.



5

- Accessories from the standard offer: chassis, internal door, modular chassis, moveable plate support.



6

- Vertical support perforated rails to allow door mounted equipment.
- Reversible door opening angle 120°.

7

- Wide range of locks with 100% stainless steel inserts.



CRSX 54/200



CRSX 54/200 KT

Himel stainless steel enclosures are particularly suitable for corrosive environments and installations requiring strict hygiene. They are ideal for the chemical, petrochemical, agri-food and pharmaceutical industries, amongst others.

- Two types of material are available:
 - AISI 304L with brushed finish.
 - AISI 316L with microbeading finish.
- Two enclosure versions are available:
 - Plain door.
 - Glazed door, Securit glass 4 mm thick.
- For 304L microbeading version, please consult our office.
- Degree of protection IP66 for all single and glazed door enclosures, IP55 for double door enclosures, in accordance with IEC 60259.
- Resistance to external mechanical impacts:
 - IK10 for plain door enclosures.
 - IK08 for glazed door enclosures.
- 1-piece body (cross structure). Gutter shaped front profile.
- Two perforated vertical door reinforcement profiles (on models from 600 mm high) with Ø 4.25 mm holes on 25 mm pitch to assemble equipment.
- Door reinforcement frame (from 1000 mm high), section 20 × 15 mm, with Ø 5 mm holes on 25 mm pitch.
- Standard door closure by 3 mm double bar lock (chromed zamack).
- 2 point locking from 500 mm high or 3 point locking for double door enclosure.

- Stainless steel hinges screw fixed to the body of enclosure.
To simplify removal of door for reversing its opening direction. Door opening angle: 120°.
- Polyurethane gasket (or neoprene in 316L).
- Equipotent connection assured by M6 × 16 screws on body and on door (to be ordered separately).
- Four holes for fixing directly to wall or by means of fixing lugs (to be ordered separately), blanked off by sealing plugs.
- Not perforated on body.

Certifications:

- EN 50298.
- UL50 and Bureau Veritas certification.

TABLE OF MODELS, DIMENSIONS AND REFERENCES

External dimensions (mm)			Number of locks	Number of doors	Fig.	304L Scotch-brite® finish		316L abrasive blasted (micro-sphere blasted) reference
Height (A)	Width (B)	Depth (C)				Plain door	Transparent door	
300	200	150	1	1	1	CRSX 32/150		CRXH 32/150
300	250	150	1	1	1	CRSX 3025/150		CRXH 3025/150
300	300	150	1	1	1	CRSX 33/150		CRXH 33/150
400	300	150	1	1	1	CRSX 43/150		CRXH 43/150
400	300	200	1	1	1	CRSX 43/200	CRSX 43/200 KT	CRXH 43/200
400	400	200	1	1	1	CRSX 44/200		CRXH 44/200
400	600	200	1	1	1	CRSX 46/200		CRXH 46/200
500	400	200	2	1	2**	CRSX 54/200	CRSX 54/200 KT	CRXH 54/200
600	400	200	2	1	2	CRSX 64/200	CRSX 64/200 KT	CRXH 64/200
600	600	250	2	1	2	CRSX 66/250		CRXH 66/250
700	500	250	2	1	2	CRSX 75/250	CRSX 75/250 KT	CRXH 75/250
800	600	250	2	1	2	CRSX 86/250	CRSX 86/250 KT	CRXH 86/250
800	800	300	2	1	2	CRSX 88/300		CRXH 88/300
1000	800	300	2	1	3	CRSX 108/300	CRSX 108/300 KT	CRXH 108/300
1000	1000	300	*	2	4	CRSX 1010/300		CRXH 1010/300
1200	800	300	2	1	3	CRSX 128/300		CRXH 128/300
1200	1000	300	*	2	4	CRSX 1210/300		CRXH 1210/300

* Three-point lock system.

** Without door reinforcement frame.

ACCESSORY SELECTION TABLE

External dimensions (mm)			Mounting plates				Internal door	DLM chassis	Moveable plate supports	Canopies
Height (A)	Width (B)	Depth (C)	Metal	Insulated	Perforated	Universal				
300	200	150	MM-32	MB-32	MF-32	MR-32	-	-	-	TX-2015
300	250	150	MM-3025	MB-3025	MF-3025	MR-3025	-	-	-	TX-2515
300	300	150	MM-33	MB-33	MF-33	MR-33	-	-	-	TX-3015
400	300	150	MM-43	MB-43	MF-43	MR-43	PIN-43	DLM-24	-	TX-3015
400	300	200	MM-43	MB-43	MF-43	MR-43	PIN-43	DLM-24	SDCR-200	TX-3020
400	400	200	MM-44	MB-44	MF-44	MR-44	-	-	SDCR-200	TX-4020
400	600	200	MM-46	MB-46	MF-46	MR-46	-	-	SDCR-200	TX-6020
500	400	200	MM-54	MB-54	MF-54	MR-54	PIN-54	DLM-48	SDCR-200	TX-4020
600	400	200	MM-64	MB-64	MF-64	MR-64	PIN-64	DLM-48P	SDCR-200	TX-4020
600	600	250	MM-66	MB-66	MF-66	MR-66	-	DLM-84P	SDCR-250	TX-6025
700	500	250	MM-75	MB-75	MF-75	MR-75	PIN-75	DLM-66/DLM-88	SDCR-250	TX-5025
800	600	250	MM-86	MB-86	MF-86	MR-86	PIN-86	DLM-84/DLM-112	SDCR-250	TX-6025
800	800	300	MM-88	MB-88	MF-88	MR-88	-	-	SDCR-300	TX-8030
1000	800	300	MM-108	MB-108	MF-108	MR-108	PIN-108	DLM-240	SDCR-300	TX-8030
1000	1,000	300	MM-1010	MB-1010	MF-1010	MR-1010	-	-	SDCR-300	TX-10030
1200	800	300	MM-128	MB-128	MF-128	MR-128	PIN-128	-	SDCR-300	TX-8030
1200	1,000	300	MM-1210	MB-1210	MF-1210	MR-1210	-	-	SDCR-300	TX-10030

Dimensions (mm)

FIG. 1

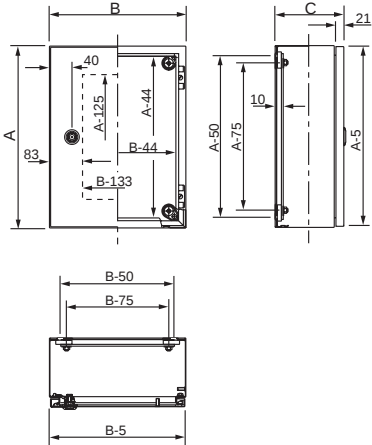
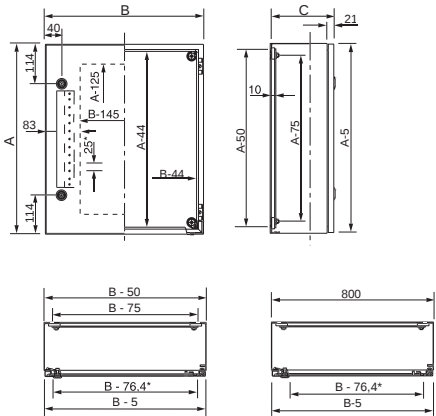


FIG. 2



*The KT transparent doors do not include reinforcement profile.

External dimensions (mm)		
Height (A)	Width (B)	Depth (C)
300	200	150
300	250	150
300	300	150
400	300	150
400	300	200
400	400	200
400	600	200
500	400	200
600	400	200
600	600	250
700	500	250
800	600	250
800	800	300
1000	800	300
1000	1000	300
1200	800	300
1200	1000	300

FIG. 3

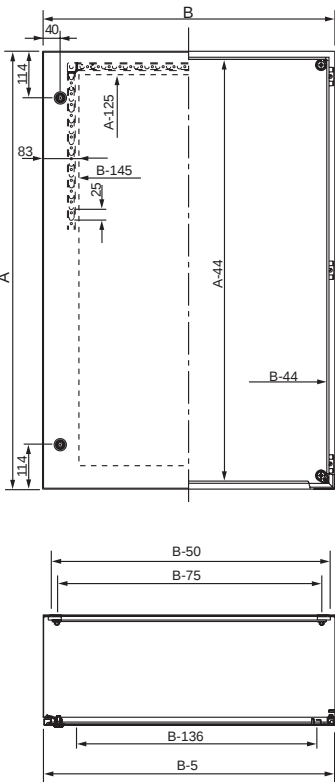
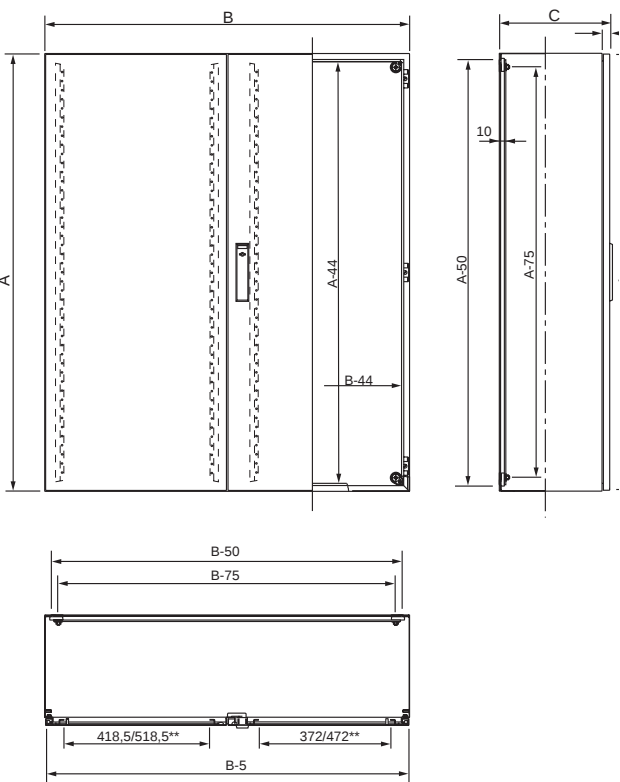


FIG. 4



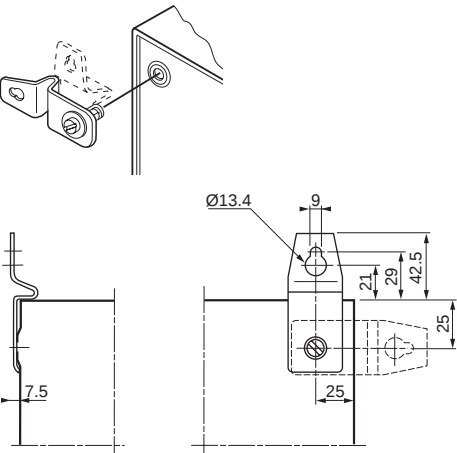
*Reinforcement profile for 1,200 mm wide models

Wall mounting kit



4-piece stainless steel wall-fixing set, not included in standard supply.

Reference	Type of stainless steel
PFCX	304
PFC2X	316L

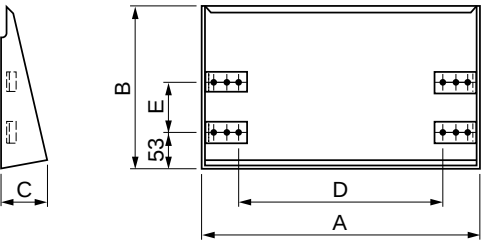


Canopies

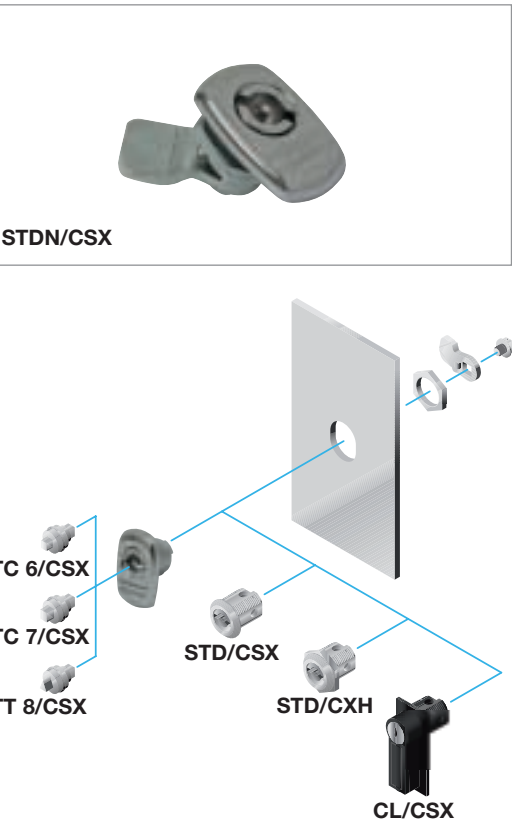


- Made of 304L stainless steel, Scotch-brite® finish.
- Ready to be coupled directly to the enclosures.

Reference	For enclosures with dimensions (mm)		A	B	C	D	E
	Width	Depth					
TX-2015	200	150	205	183	51	120	-
TX-2515	250	150	205	183	51	120	-
TX-3015	300	150	305	183	51	220	-
TX-3020	300	200	305	233	51	220	70
TX-4020	400	200	405	233	70	320	70
TX-5025	500	250	505	283	70	420	120
TX-6020	600	200	605	233	70	520	70
TX-6025	600	250	605	283	70	520	120
TX-8030	800	300	805	333	70	720	170
TX-10030	1000	300	1005	333	70	920	170



Locks for CRSX and CRXH enclosures



Standard double bar lock, with latch and fixing screw in chrome zamac operated using key **LDB3** (conforming to **DIN 43668**) included in the standard supply.

Reference **STDN/CSX**.

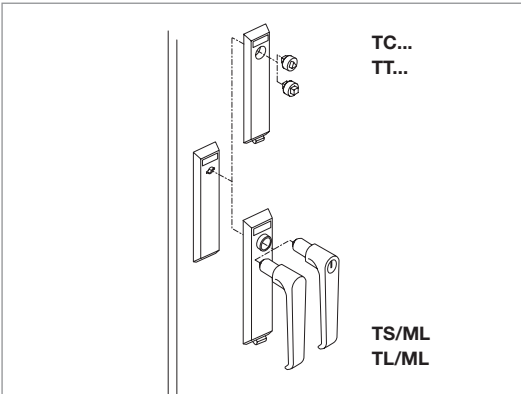
Specifications	Type of key operation ref.	Reference
□ 6 mm stainless steel square lock	LC-7	TC 6/CSX
□ 7 mm stainless steel square lock	LC-7	TC 7/CSX
△ 8 mm side stainless steel triangle lock	LT-8	TT 8/CSX
Complete 405 key lock		CL/CSX
Stainless steel 304 double bar lock		STD/CXH
Chrome zamac double bar lock		STD/CSX

Three-point locks for CRSX and CRXH enclosures



Chrome zamac standard double-bar lock for double door models.

- Operated by:
- **LDB5** key (conforming to DIN 43668).



TRANSFORMATION OF THE STANDARD LOCK TO STANDARDISED VARIATIONS ON ENCLOSURES WITH THREE-POINT LOCKS

Specifications	Type of key operation ref.	Reference
□ 6 mm square lock	LC-7	TC 6/ML
□ 7 mm square lock	LC-7	TC 7/ML
□ 8 mm square lock	LC-8	TC 8/ML
△ 7 mm side triangle lock	LT-8	TT 7/ML
△ 8 mm side triangle lock	LT-8	TT 8/ML
Handle lock		TS/ML
Key operated handle lock		TL/ML

Internal doors



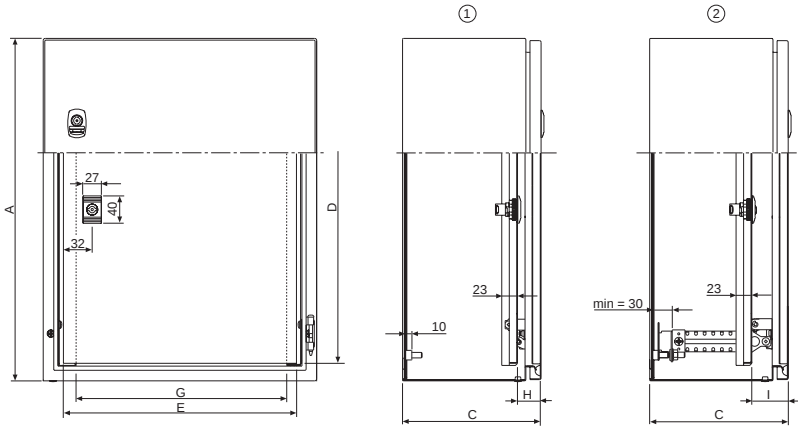
CRSX 54/200 + PIN 54

Internal door designed to be coupled directly to the enclosure or to the moveable **SDCR** supports.

Allows for placement of a mounting plate, making it depth adjustable.

Finished with texturised epoxy-polyester paint, colour RAL-7032.

From 800 mm, the vertical reinforcement profiles are included.



- ① PIN internal door fixed directly to the enclosure.
- ② PIN internal door fixed to the moveable SDCR support. In this case, both the internal door and the mounting plate may be depth adjustable.

For enclosures dimensions (mm)		Reference	D	E	G	H	I (min.)
Height (A)	Width (B)						
400	300	PIN 43	349	241	208	32	51
500	400	PIN 54	449	341	308	32	51
600	400	PIN 64	549	341	308	32	51
700	500	PIN 75	649	441	408	32	51
800	600	PIN 86	749	541	508	32	51
1000	600	PIN 106	949	541	508	32	51
1000	800	PIN 108	949	741	708	32	51
1200	800	PIN 128	1149	741	708	32	52

For enclosures with a transparent door, H is reduced 4 mm.

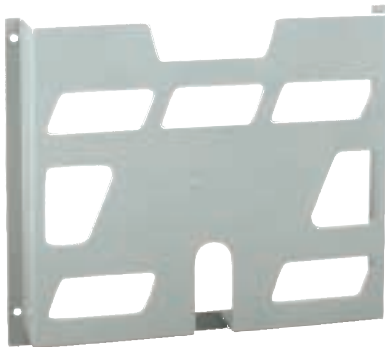
Doors in 304L stainless steel



Doors made of 304L stainless steel, Scotch-brite® finish.

Doors made of 304L stainless steel, Scotch-brite® finish.		
External dimensions (mm)		Reference
Height (A)	Width (B)	
300	200	PCRSX-32
300	250	PCRSX-3025
300	300	PCRSX-33
400	300	PCRSX-43
400	400	PCRSX-44
400	600	PCRSX-46
500	400	PCRSX-54
600	400	PCRSX-64
600	600	PCRSX-66
700	500	PCRSX-75
800	600	PCRSX-86
800	800	PCRSX-88
1000	800	PCRSX-108
1200	800	PCRSX-128

Plan pocket

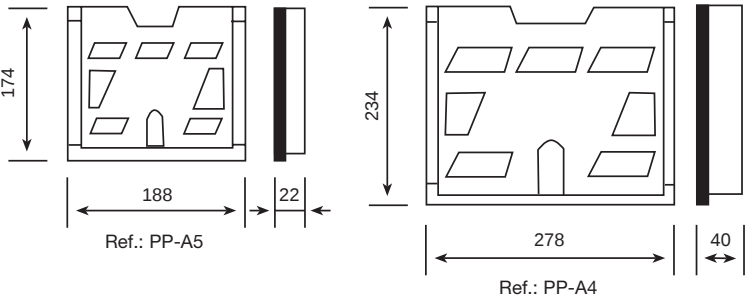


PP-A models made of PVC in grey RAL-7035.

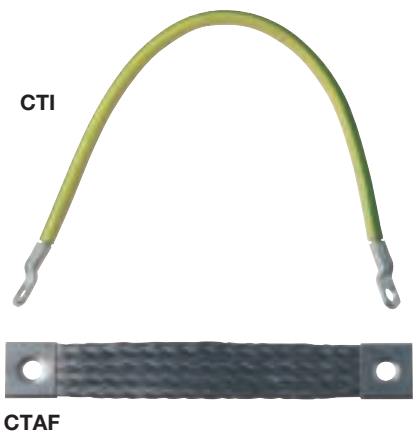
- Fixed with adhesive tape or screws.

For holding DIN A4 or A5-sized plans.

Plan size	Reference
A4	PP-A4
A5	PP-A5



Earthing connections



CTI: used to guarantee the electrical connection between the door and the body of the enclosure or between the body and the mounting plate.

CTAF: guarantees the earthing connection for high frequencies, avoiding the interference currents that are produced at high frequencies. Made of tinned copper.

Reference	Length mm	Width mm	Section mm ²	Material
CTI 17/6	170		6	Copper wires with tinned copper terminal
CTI 17/10	170		10	Copper wires with tinned copper terminal
CTI 22/6	220		6	Copper wires with tinned copper terminal
CTI 22/10	220		10	Copper wires with tinned copper terminal
CTI 22/25	220		25	Copper wires with tinned copper terminal
CTI 41/10	410		10	Copper wires with tinned copper terminal
CTI 41/25	410		25	Copper wires with tinned copper terminal
CTAF 15/16	155	20	16	Tinned copper wires and terminal
CTAF 20/25	200	21	25	Tinned copper wires and terminal
CTAF 25/25	200	26	25	Tinned copper wires and terminal
CTAF 20/50	200	40	50	Tinned copper wires and terminal

Mounting plates



Metal



Insulated



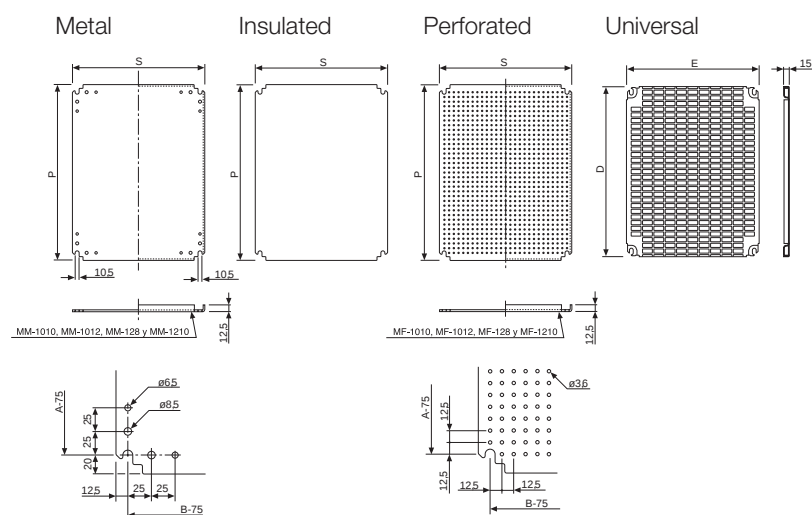
Perforated



Universal

A complete range of mounting plates comprised of four versions able to provide all the mountings required for this installation system.

- Metal plates of galvanised steel.
- Bakelite insulated plates.
- Perforated plates made of galvanised sheet steel with 3.6 mm Ø holes, 12.5 mm apart.
- Universal plates for fast fixing of equipment, made of steel zinc dichromate. The location of the holes, combined with the position of the nuts, covers all the fixing centres.



For use with CRSX enclosures		Metal			Insulated			Perforated			P	S	Universal		
Height (A)	Width (B)	Reference	Thickness (mm)	Weight (kg)	Reference	Thickness (mm)	Weight (kg)	Reference	Thickness (mm)	Weight (kg)			Reference	D	E
300	200	MM-32	2	0.5	MB-32	4	0.2	MF-32	2	0.5	265	150	MR-32	255	154
300	250	MM-3025	2	0.6	MB-3025	4	0.3	MF-3025	2	0.6	265	200	MR-3025	253	228
300	300	MM-33	2	1.2	MB-33	4	0.5	MF-33	2	1.1	265	250	MR-33	255	251
400	300	MM-43	2	1.6	MB-43	4	0.5	MF-43	2	1.5	365	250	MR-43	348	251
400	400	MM-44	2	2.2	MB-44	4	0.7	MF-44	2	2.1	365	350	MR-44	345	351
400	600	MM-46	2	3.1	MB-46	4	1.1	MF-46	2	3	365	550	MR-46	345	551
500	400	MM-54	2	2.5	MB-54	4	0.9	MF-54	2	2.4	465	350	MR-54	450	351
600	400	MM-64	2	3.1	MB-64	4	1.1	MF-64	2	3.1	565	350	MR-64	555	351
600	600	MM-66	2	5.5	MB-66	4	1.7	MF-66	2	5.5	565	550	MR-66	555	551
700	500	MM-75	2	4.6	MB-75	4	1.7	MF-75	2	4.3	665	450	MR-75	645	451
800	600	MM-86	2.5	9.9	MB-86	4	2.3	MF-86	2.5	9	765	550	MR-86	750	551
800	800	MM-88	2.5	13.6	MB-88	5	4.5	MF-88	2.5	12	765	750	MR-88	750	751
1000	800	MM-108	2.5	16.9	MB-108	5	5.7	MF-108	2.5	16	965	750	MR-108	945	751
1000	1000	MM-1010	2.5	18.6	MB-1010	5	7.1	MF-1010	2.5	17	950	950	MR-1010	945	951
1200	800	MM-128	2.5	17.8	MB-128	5	6.8	MF-128	2.5	17	1150	750	MR-128	1145	751
1200	1000	MM-1210	2.5	21.7	MB-1210	5	8.3	MF-1210	2.5	20	1150	950	MR-1210	1145	951

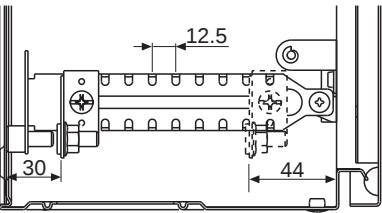
Adjustable plate supports for CRSX and CRXH enclosures



Supports to be fitted into **CRSX** and **CRXH** enclosures with depths of 200, 300 and 400 mm.

The rail has positioning notches along its entire length for depth adjustment of the plate and other accessories every 12.5 mm.

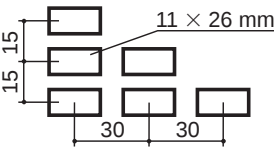
Reference	To couple the enclosures with depths (mm)
SDCR 200	200
SDCR 250	250
SDCR 300	300



Screws and accessories for universal plates



Thread type	Fixing nut		Fixing screw with washer		
		Pack units		Length (mm)	Packaging
M3	TFP 3	100	-	-	-
M4	TFP 4	100	TOR 10/4 A	10	100
			TOR 16/4 A	16	100
M5	TFP 5	100	TOR 12/5 A	12	100
			TOR 18/5 A	18	100
M6	TFP 6	100	TOR 12/6 A	12	100
			TOR 18/6 A	18	100



GCR fasteners



Clip in fasteners to be installed directly on 19" racks and on slotted MR mounting plates.

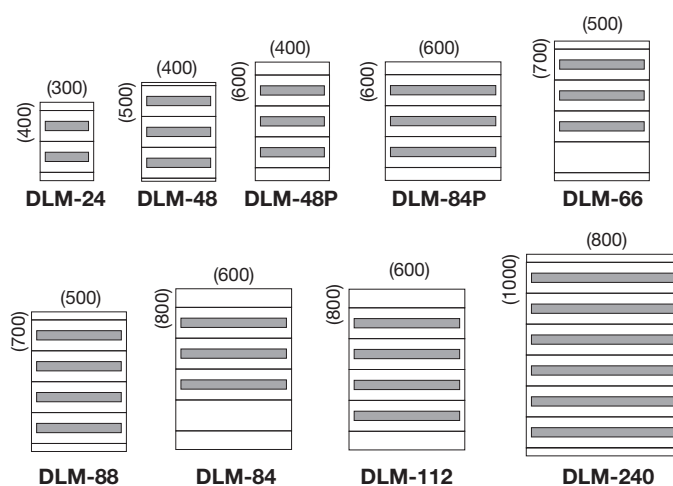
Ref.: **GCR**.

Dinimel DLM distribution chassis



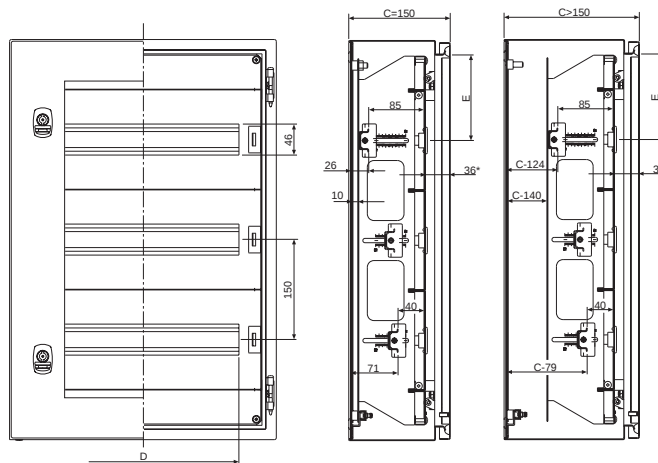
Distribution chassis set for modular equipment, ref.: **DLM-..** with a distance between the 35 mm symmetric profile and the cover, which is adjustable as needed by the customer from 40 to 85 mm.

- Rigid structure made of galvanised steel.
- Metal cover and frame, colour RAL-7032. Quick mounting, without the need for screws.
- System for identifying circuits included in the standard supply.
- Earth and neutral bypass terminal block ref.: **RBLZ/21656** (included in standard supply).



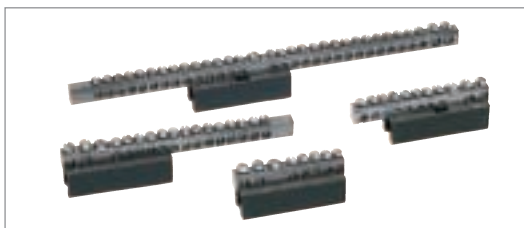
* For glazed door consider 4 mm less.

Note: For 150 mm enclosures, the DLM chassis may be fixed at the back of the enclosure or at the front. For deeper enclosures, the mounting plate can be installed at the back. In this case, the depth of the chassis may be adjusted using the SDCR adjustable supports (on request).



For use with CRSX and CRXH enclosures		Reference	Distribution of rows				D	E	Plain covers	Mounting plates	Blanking plates
Plain door	Transparent door		Automatic rail								
			No. of rows	Quantity	No. of 18 mm modules	No. of plain covers					
..43	..43/KT	DLM-24	2	2	24	-	216	103	CTL300DLM	PMP300DLM	ATP/72G (72 mm) 4 modules
..54	..54/KT	DLM-48	3	3	48	-	288	78	CTL400DLM	PMP400DLM	
..64	..64/KT	DLM-48P	3	3	48	-	288	128	CTL600DLM	PMP600DLM	
..66	..66/KT	DLM-84P	3	3	84	-	504	128	CTL500DLM	PMP500DLM	
..75	..75/KT	DLM-66	4	3	66	1	395	103	CTL600DLM	PMP600DLM	ATP/UND (1100 mm)
..75	..75/KT	DLM-88	4	4	88	-	395	103	CTL500DLM	PMP500DLM	
..86	..86/KT	DLM-84	4	3	84	1	504	153	CTL600DLM	PMP600DLM	
..86	..86/KT	DLM-112	4	4	112	-	504	153	CTL600DLM	PMP600DLM	
..108	..108/KT	DLM-240	6	6	234	-	704	103	CTL800DLM	PMP800DLM	

Terminal blocks



Earth and neutral terminal blocks with insulated plinth.

Direct fixed by pressure on the distribution chassis, by pressure.

Reference	Number of terminals × section in mm ²
RBLZ/21656*	2×16 mm ² + 5×6 mm ²
RBLZ/21686	2×16 mm ² + 8×6 mm ²
RBLZ/216146	2×16 mm ² + 14×6 mm ²
RBLZ/216296	2×16 mm ² + 29×6 mm ²

* Included in standard supply.

Blanking plate



Blanking plate of self-extinguishing insulated material for total or partial coverage of the windows for automatics. Easily cut to the desired size.

Reference	Length (mm)	No. of modules
ATP6/DTM	108	6
ATP24/DTM	432	24
ATP/UND	1100	Cut to size