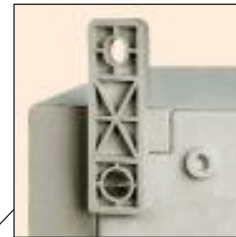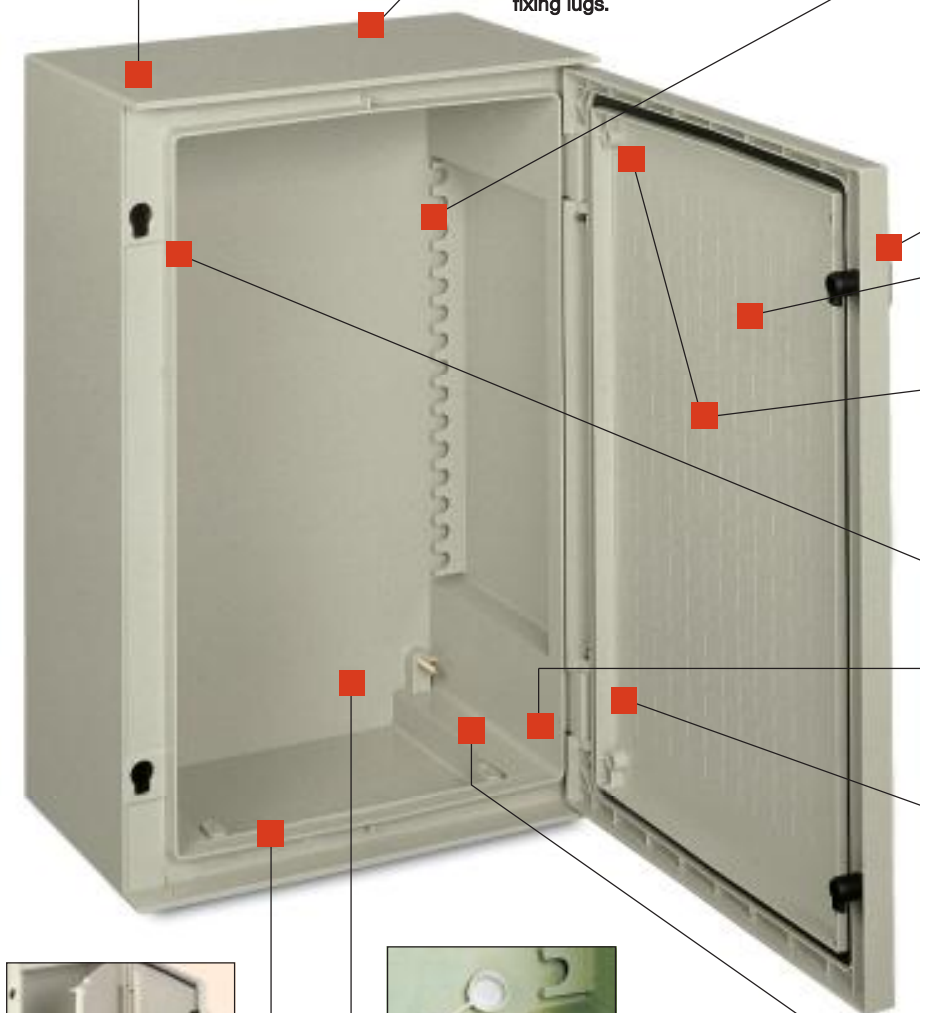# Longlasting polyester enclosures

Built-in canopy which protects the door and its gasket.

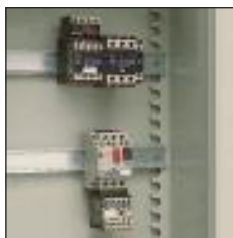External attachment to wall by means of adjustable or stainless steel or polyester fixing lugs.

Reversible internal door grid patterned, for industrial control.

Direct attachment to wall through rear of enclosure, with cap to maintain double insulation and sealing.
Four inserts at the back for fixing of mounting plate.

for your installations POLYMEL

The 25 mm pitched moulded locations in the back of the enclosure, allows the direct attachment of mounting rails or other devices, reducing or assembly time.

Locks are located outside the gasketed area to maintain the IP66 degree.

Cabinet with transparent templated glass door maintaining the IP66 and IK8 (5J) degrees of protection.

4 moulded bosses set inside the door for inserts help to assemble accessories. Maximum usable space, door provided with a grid pattern for centering of equipment. Door opening over 180°.

Self-ventilation windows at the rear of the cabinet.

Ventilation louvres provide natural ventilation to interior of enclosure, thus avoiding condensation.

Depth adjustable supports with positions every 12,5 mm. Front part drilled to M6 Ø in order to fit mounting plates.

The captive in polyrethane sealing gasket ensures the IP66. Internal stainless steel hinges, built in the door with safety pins, easily removable.

POLYMEL
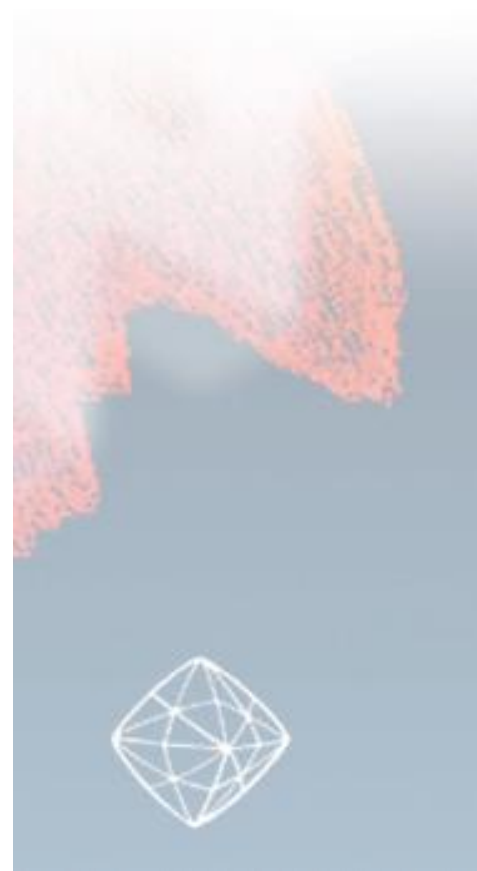
PLM-75

PLM-75/CME

Glass-fibre reinforced polyester cabinets.

- One-piece monoblock body.
- Colour grey RAL-7032.
- Completely reversible.
- Designed for use both indoors and outdoors.
- Wide range of accessories allowing for their use in distribution, control and measurement panels for industrial and recreational installations.
- Inserts located at the front of the cabinet for fixing of distribution chassis and internal door.
- Self-extinguishing.
- Maximum working temperature ranges from −50 to 150 °C.
- Resistant to principal chemical and atmospheric agents.

- Corrosion resistant.
- Stable to ultra-violet rays.
- Prepared for double insulated boards in accordance with IEC 439-1 (EN 60439-1) standard.
- High resistance to mechanical impacts IK10 (20 J) in accordance with EN 50102.
- IP66 according to EN 60529.
- UL upproval according to UL 50, grades Nema 4X and 12.

MODELS, DIMENSIONS AND REFERENCES

External dimensions (mm)			Plain door	Transparent door		Plain door	Transparent door	Plain door	Mounting plates				Depth adjustable support	Modular chassis	Internal door
Height (A)	Width (B)	Depth (C)	Standard lock		No. of locks	Three point lock with handle lock		With insulating mounting plates	Metal	Insulating	Perforated	Universal			
310	215	160	PLM-32*	PLM-32/KT*	1	-	-	PLM-32MB	■	■	■	■	-	-	-
308	255	160	PLM-3025	PLM-3025/KT	2	-	-	PLM-3025MB	■	■	■	■	-	■	■
430	330	200	PLM-43	PLM-43/KT	2	PLM-43/CME	PLM-43 KT/CME	PLM-43MB	■	■	■	+	■	■	■
530	430	200	PLM-54	PLM-54/KT	2	PLM-54/CME	PLM-54 KT/CME	PLM-54MB	●	●	●	●	■	●	■
647	436	250	PLM-64	PLM-64/KT	2	PLM-64/CME	PLM-64 KT/CME	PLM-64MB	■	■	■	■	▮	■	▮
747	536	300	PLM-75	PLM-75/KT	2	PLM-75/CME	PLM-75 KT/CME	PLM-75MB	■	■	■	■	▮	■	▮
847	636	300	PLM-86	PLM-86/KT	2	PLM-86/CME	PLM-86 KT/CME	PLM-86MB	■	■	■	+	■	■	■
1056	852	350	PLM-108[1]	PLM-108KT[1]	1	-	-	PLM-108MB	■	■	■	+	■	■	■

* Model **PLM-32** in polycarbonate.
(1) 4-point locking system enclosure.

Dimensions (mm)

### DIMENSIONS PLM-... ENCLOSURES
(EXCEPTING PLM-3025)

	Reference PLM-...						
	32	43	54	64	75	86	108
A	310	430	530	647	747	847	1056
B	215	330	430	436	536	636	852
C	160	200	200	250	300	300	350
D	310	280	380	480	580	680	864
E	215	200	300	300	400	500	694
F	270	380	480	580	680	780	980
G	170	260	360	360	460	560	760
H	225	325	425	525	625	725	925
I	125	225	325	325	425	525	725
J	275	375	475	575	675	775	975
K	75	150	250	250	350	450	650
L	8	13	13	13	15	15	15
M	144	181	181	228	278	278	327
N	2.3	2.7	2.9	2.9	3	3	4
P	132	179	279	279	379	479	684
Q	129	168	168	212	261	261	304
R	186	247	347	388	487	587	776

■ Three point lock for enclosures **PLM-108**.

PLM-32...108
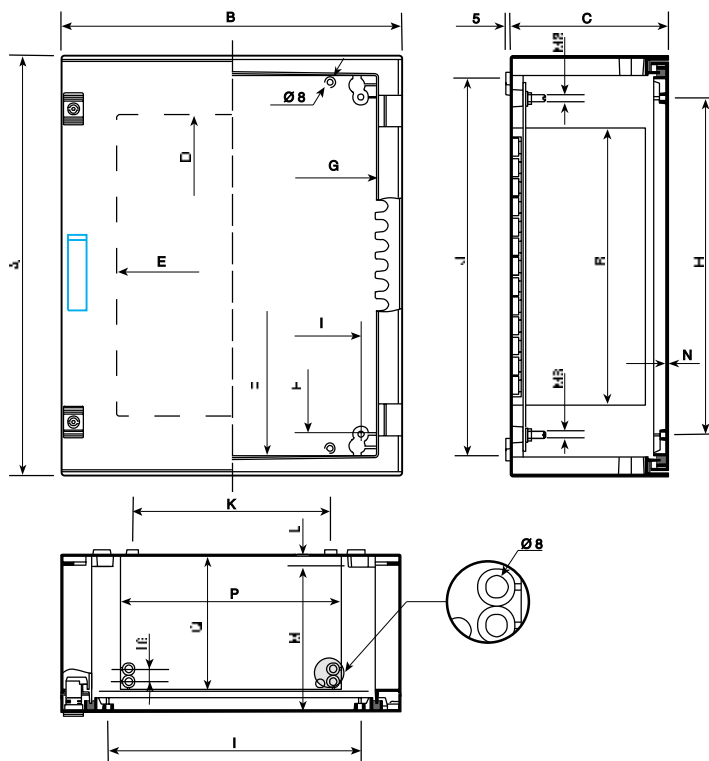
PLM-3025

Mounting plates

Metal

Insulating

Perforated
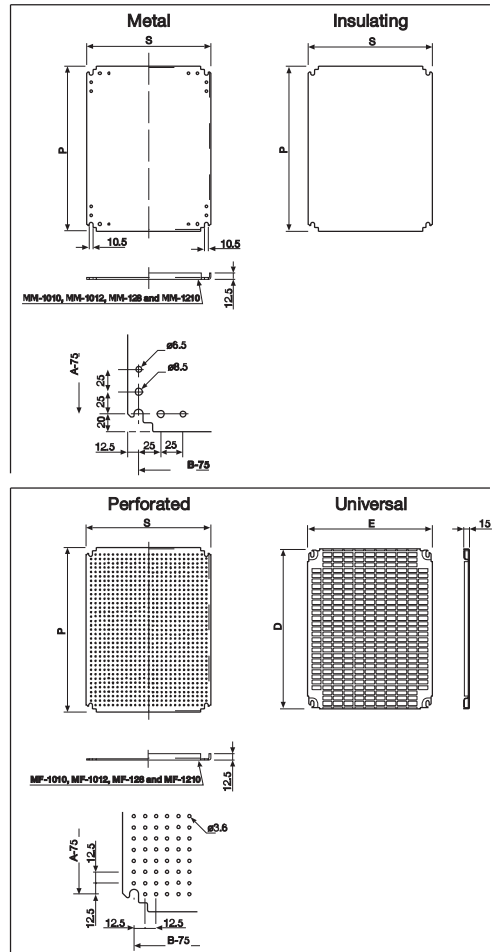
Universal
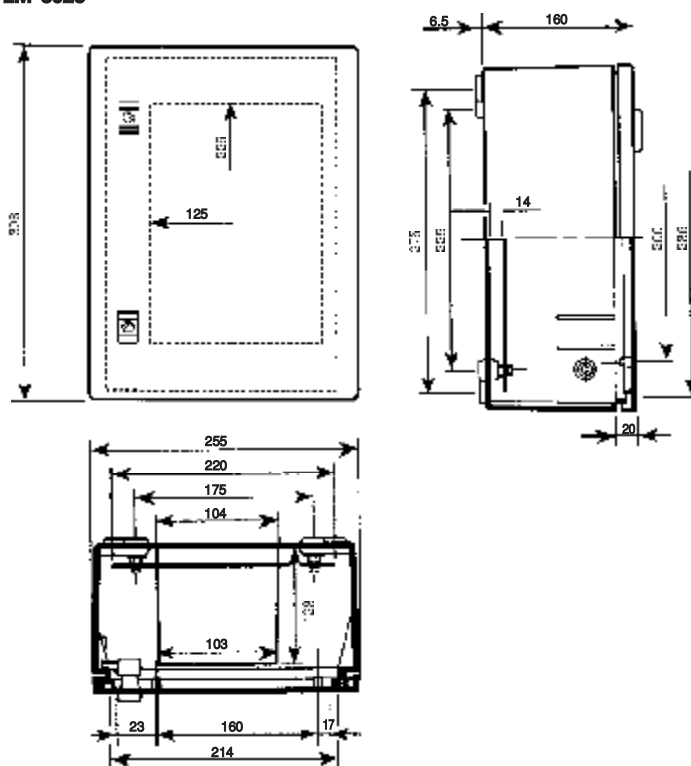
A complete range of plates which can be directly fixed to the enclosure supports or to the depth adjustable supports provides the solution to this type of installation.

■ Metal plates made of galvanized steel.
■ Bakelite insulating plates.
■ Galvanized steel mounting plates with 3,6 ∅ drillings, 12,5 mm thread.
■ Universal plates for quick fixing of equipment made of bichromated zinc-coated steel.

Metal

Insulating

MM-1010, MM-1012, MM-128 and MM-1210

Perforated

Universal

MF-1010, MF-1012, MF-128 and MF-1210

| To fit to enclosures		Metal			Insulating			Perforated					Universal		
Height (A)	Width (B)	Reference	Thickness (mm)	Weight (kg)	Reference	Thickness (mm)	Weight (kg)	Reference	Thickness (mm)	Weight (kg)	P	S	Reference	D	E
250	200	MM-2520	2	0.4	MB-2520	4	0.13	MF-2520	2	0.3	215	150	-	-	-
300	250	MM-3025	2	0.6	MB-3025	4	0.2	MF-3025	2	0.5	265	200	MR-3025	253	228
300	300	MM-33	2	1.2	MB-33	4	0.3	MF-33	2	1.1	265	250	MR-33	255	251
300	400	MM-34	2	1.6	MB-34	4	0.5	MF-34	2	1.5	265	350	MR-34	255	351
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
500	500	MM-55	2	3.7	MB-55	4	1.2	MF-55	2	3.5	465	450	MR-55	450	451
600	400	MM-64	2	3.1	MB-64	4	1.1	MF-64	2	3	565	350	MR-64	555	351
600	500	MM-65	2	4	MB-65	4	1.4	MF-65	2	3.8	565	450	MR-65	555	451
600	600	MM-66	2	5.5	MB-66	4	1.7	MF-66	2	5.2	565	550	MR-66	555	551
600	800	MM-68	2.5	9.9	MB-68	4	2.3	MF-68	2.5	9.3	565	750	MR-68	555	751
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
800	1000	MM-810	2.5	16.9	MB-810	5	5.7	MF-810	2.5	16	765	950	MR-810	750	951
1000	600	MM-106	2.5	12.6	MB-106	5	4.2	MF-106	2.5	12	965	550	MR-106	945	551
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
1000	1200	MM-1012	2.5	21.7	MB-1012	5	8.3	MF-1012	2.5	20	950	1150	MR-1012	945	1151
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

POLYMEL

Dinimel DLA distribution chassis

PLM-64/KT + DLA-48P

Distribution chassis assembly for modular equipment, ref. **DLA-...** with adjustable distance between the 35 mm symmetrical profile and cover plate from 40 up to 85 mm.

■ Chassis made of galvanized steel.
■ Cover plate and frame made of self-extinguishing material to RAL-7035. Quick fixing without screws.
■ Circuit identification system supplied as standard.
■ Terminal blocks for earth and neutral wiring.
  Ref.: **RBLZ/21656** supplied as standard.

Dimensions (mm)
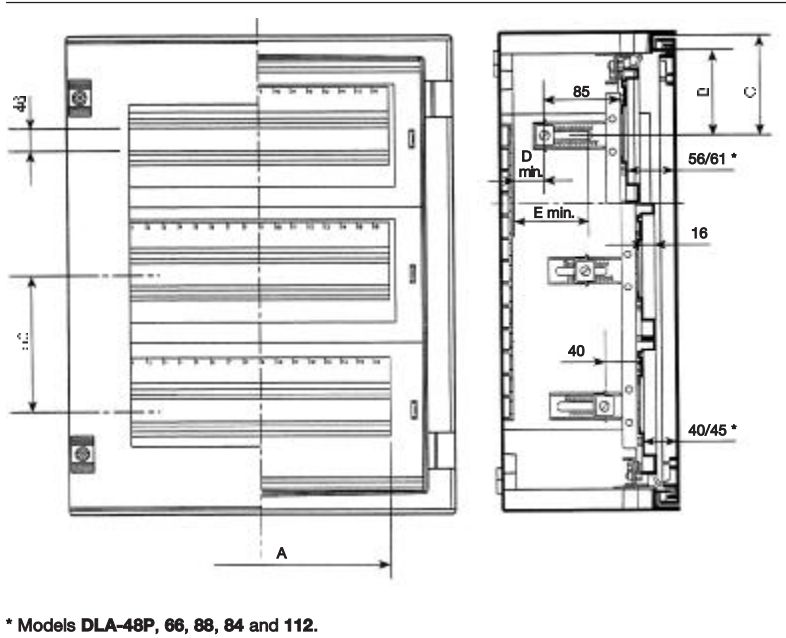
* Models **DLA-48P**, 66, 88, 84 and 112.
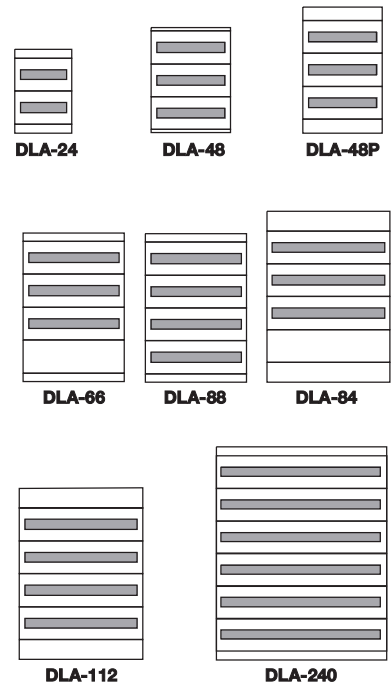
To fit to enclosures			Row lay-out				Dimensions				
Plain door	Transparent door	Reference	No. of rows	Breaker rails		No. of plates	A	B	C	D min.	E min.
				Quantity	No. of 18 mm modules						
PLM-3025	PLM-3025/KT	**DL/PLM18**	2	2	18	-	-	-	-	-	-
PLM-43	PLM-43/KT	**DLA-24**	2	2	24	-	216	115	137	38	88
PLM-54	PLM-54/KT	**DLA-48**	3	3	48	-	288	90	112	38	88
PLM-64	PLM-64/KT	**DLA-48P**	3	3	48	-	288	140	170	80	130
PLM-75	PLM-75/KT	**DLA-66**	4	3	66	1	395	115	145	129	179
PLM-75	PLM-75/KT	**DLA-88**	4	4	88	-	395	115	145	129	179
PLM-86	PLM-86/KT	**DLA-84**	4	3	84	1	504	165	195	129	179
PLM-86	PLM-86/KT	**DLA-112**	4	4	112	-	504	165	195	129	179
PLM-108	PLM-108/KT	**DLA-240**	6	6	234	-	704	115	146	170	220

Dinimel DLA blank cover plate

PS self-extinguishing insulating cover plate to RAL-7035 for protection of non-modular equipment height: 150 mm (1 row).

For fixing to chassis	Reference	Width
DLA-24	CTL300/DLA	256
DLA-48 y 48P	CTL400/DLA	356
DLA-66 and 88	CTL500/DLA	456
DLA-84 and 112	CTL600/DLA	555
DLA-240	CTL800/DLA	755

Dinimel DLA mounting plate

Galvanised steel mounting plate for fixing of non-modular equipment height: 150 mm (1 row).

For fixing to chassis	Reference	Width
DLA-24	PMP300/DLA	215
DLA-48 and 48P	PMP400/DLA	315
DLA-66 and 88	PMP500/DLA	415
DLA-84 and 112	PMP600/DLA	514
DLA-240	PMP800/DLA	714

Blanking plate

Self-extinguishing insulating blanking plates to RAL-7035 to cover totally or partially windows for circuit breakers. Can easily be cut to desired size.

Reference	L (mm)	No. of modules
ATP6/DTM	108	6
ATP24/DTM	432	24
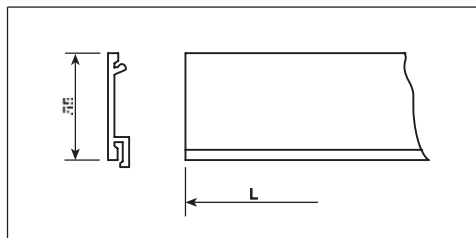
Terminal blocks
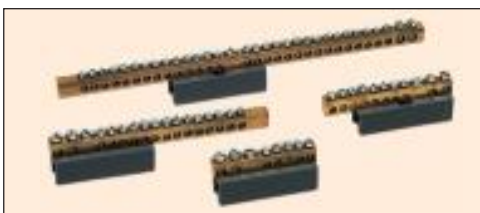
Insulating base block for earth and neutral wiring. Direct fixing to profile.

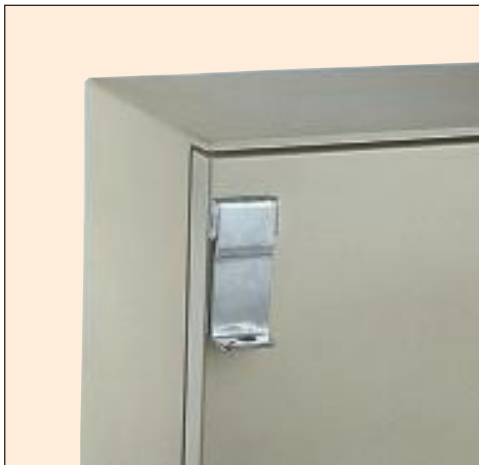| Reference	Number of terminals × section in mm²		
RBLZ/21656*	2	16 mm²	+	5 ×6 mm²
RBLZ/21686	2	16 mm²	+	8 ×6 mm²
RBLZ/216146	2.	16 mm²	+	14 ×6 mm²
RBLZ/216296	2	16 mm²	+	29 ×6 mm²

* Included in standard supply.

Locks for polyester enclosures

Locks

Double bar standard lock with stainless zinc alloy inserts, operated by **LDB 5** or **CDB/PLM** key.

OPTIONAL LOCK INSERTS TO TRANSFORM THE STANDARD LOCK (UP TO PLM-86)

Type		Key type	Reference
▢ 6 mm square lock		LC-7	TC6/CRN
▢ 7 mm square lock		LC-7	TC7/CRN
▢ 8 mm square lock		LC-8	TC8/CRN
△ 6,5 mm triangular lock		LT-8	TT7/CRN
△ 8 mm triangular lock		LT-8	TT8/CRN
Wing key lock 405			TL/PLM
Wing key lock 220			TL220/PLM
Stainless steel padlock (up to **PLM 86**)			KPLM
Standard double bar lock			CDB/PLM
Double bar wing key			DBP

4 point locks

Double bar standard lock for the **PLM-108** model in the normal door or **KT** transparent door versions. Operation throught **LDB 5** key (according to DIN 43668).

OPTIONAL LOCK INSERTS TO TRANSFORM THE STANDARD LOCK FOR PLM-108 ENCLOSURES

Type		Key type	Reference
▢ 6 mm square lock		LC-7	TC 6/PL
▢ 7 mm square lock		LC-7	TC 7/PL
▢ 8 mm square lock		LC-8	TC 8/PL
△ 7 mm triangular lock		LT-8	TT 7/PL
△ 8 mm triangular lock		LT-8	TT 8/PL
Padlock			BC/PL

POLYMEL

ACCESSORIES AND COMPLEMENTS

Three point locks
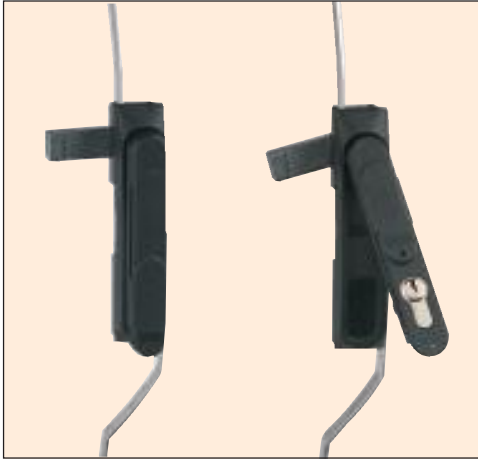
Standard handle locks without insert in the **PLM... CME** model.

OPTIONAL LOCK INSERTS TO TRANSFORM THE STANDARD FLAT LOCK ON TO HANDLE LOCK FOR PLM-108

Type	Key type		Reference
Double bar lock		LDB 5	TEDB/PL
□ 6 mm square lock		LC-7	TEC 6/PL
□ 7 mm square lock		LC-7	TEC 7/PL
□ 8 mm square lock		LC-8	TEC 8/PL
△ 7 mm triangular lock		LT-8	TET 7/PL
△ 8 mm triangular lock		LT-8	TET 8/PL
405 type key lock			TEL/PL
Reinforced lock with key			TER/PL
Lock with JIS type key			TEL-JIS/PL
Lock with FAC type key			TEL-FAC/PL
Handle for **PLM-108**			TEM/PL
Handle for key			TE/PL
Padlock			BCME/PL

LOCK INSERTS FOR PLM...CME ENCLOSURES

Type	Key type		Reference
Double bar lock		LDB 5	TDB/PLD
△ 8 mm triangular lock		LT-8	TT7/PLD
405 type key lock			TCL/PLD
Safety cylinder lock			TLR/PLD
JIS type key lock			TJIS/PLD
Padlock			BCME/PL
Push button lock			TEM/PLD
Handle for **PLM-108**			TEM/PL

Depth adjustable supports

Supports designed to fit 200, 250, 300 and 350 mm deep enclosures. Self-positioning slots allowing for adjustment every 12,5 mm.
■ Made of bichromated zinc coated steel.
■ Quick fixing to the enclosure.

To fit to enclosures	Reference	Width	Width
PLM-43 and 54	DPLM-200	156	94
PLM-64	DPLM-250	200	100
PLM-75 and 86	DPLM-300N	250	100
PLM-108	DPLM-350	306	106

2/38 **HIMEL** boxes and enclosures in polyester
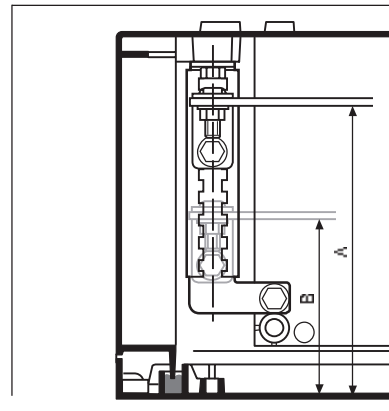
Clamps GCR

Snap-on clamps designed to be installed directly on 19" racks, and **MR** mounting plates.
Reference: **GCR**.

Fixing accessories for universal plates

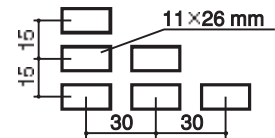| Type of thread	Fixing nut		Fixing bolt with washer		
		Pack quantity		Length (mm)	Pack quantity
M3	TFP 3	100	-	-	-
M4	TFP 4	100	TOR 10/4 A	10	100
			TOR 16/4 A	16	100
M5	TFP 5	100	TOR 12/5 A	12	100
			TOR 18/5 A	18	100
M6	TFP 6	100	TOR 12/6 A	12	100
			TOR 18/6 A	18	100

11×26 mm

15 15

30 30

Internal doors

Internal fibre glass reinforced polyester door assembly.
■ Self-extinguishing.
■ Grid pattern on the inside for quicker positioning of equipment.
■ Quick locking through 1/4 turn sealable screws.
■ Right or left opening.

Reference	A	B	C	D
PI-3025/PLM*	248	165	62	76
PIP-43	315	205	152	26
PIP-54	415	305	152	26
PIP-64	515	305	194	32
PIP-75	615	405	244	32
PIP-86	715	505	244	32
PIP-108	850	650	269	37

* Internal plain door, A dud B being dimensions of the usable surface.

POLYMEL

Wall mounting set
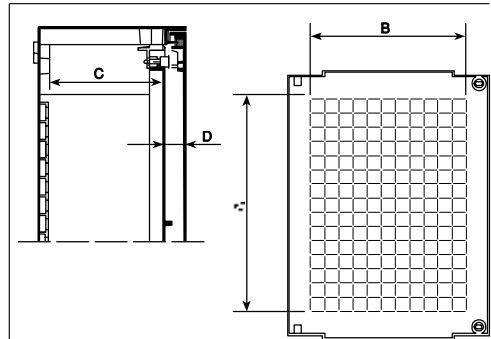
PFI/PLM

PF/PLM

PFI/PLM

Wall mounting can be made both directly (by drilling the enclosure back) or by the polyester fixing lugs **PF/PLM** or by the inox fixing lugs **PFI/PLM**. Fixing lugs are mounted from the back of the enclosure by using M8 inserts (included as standard). In **PLM-32** models are mounted by selftapping screws.
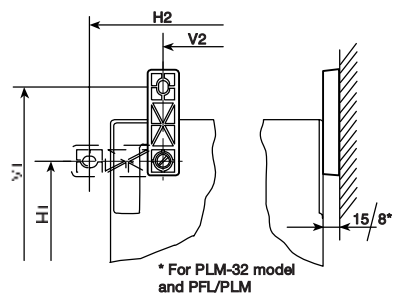Fixing lugs can be mounting both verticaly and horizontaly.

PF/PLM

* For PLM-32 model and PFL/PLM

15/8*

			Dimensions PF/PLM				Dimensions PFI/PLM			
	Reference		Horizontal position		Vertical position		Horizontal position		Vertical position	
To fit to enclosures	Insulation	Stainless steel	Height (H1)	Width (H2)	Height (V1)	Width (V2)	Height (H1)	Width (H2)	Height (V1)	Width (V2)
PLM-32	PF/PLM-32	-	247	239	334	152	-	-	-	-
PLM-3025	PF/PLM	-	275	315	338	222	-	-	-	-
PLM-43	PF/PLM	PFI/PLM	355	360	490	225	355	294	424	225
PLM-54	PF/PLM	PFI/PLM	455	460	590	325	455	394	524	325
PLM-64	PF/PLM	PFI/PLM	555	465	690	330	555	399	624	330
PLM-75	PF/PLM	PFI/PLM	655	565	790	430	655	499	724	430
PLM-86	PF/PLM	PFI/PLM	755	665	890	530	755	599	824	530
PLM-108	PF/PLM	PFI/PLM	995	885	1090	750	995	819	1064	750

Rail fixing insert

Insert nut specially designed to fit to the back of the enclosure for quick fixing of 35 mm rails through self-tapping screws (supplied as standard) (ref. **TCO/PLM**) or for direct fixing to the enclosure back (ref. **TCO-M6/PLM**).
■ Made of insulating material.

Reference	Screw type
TCO/PLM	Self-tapping
TCO-M6/PLM	M6

POLYMEL
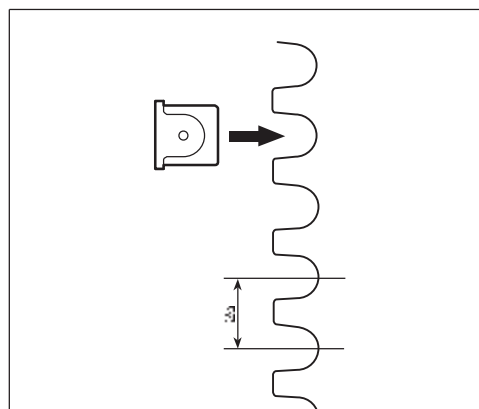
35 mm symmetric rail

35 mm symmetrical rails for the support of switchgear, especially adapted to the width of the cabinets.
Fixing to the back of the enclosure by means of set **TCO/PLM**.

To fit to enclosures	Reference	Width
PLM-32	**CO-200/PLM**	180
PLM-43	**CO-300/PLM**	280
PLM-54 and 64	**CO-400/PLM**	380
PLM-75	**CO-500/PLM**	480
PLM-86	**CO-600/PLM**	580
PLM-108	**CO-800/PLM**	795

Air vents

To equalize external and internal temperatures and thus prevent condensation within the enclosure.
Can be fixed on the internal sides connected with the rear self-ventilating window, ref. **VM-35**, or externally refs. **VM-25** and **VM-27**.

Reference	Characteristics
VM-25 VM-27	For fitting externally to all polyester enclosures
VM-35	For fitting to POLYMEL inside enclosures

VM-25   **VM-27**

VM-35

POLYMEL

Draining device

To remove water from condensation. Fixed to the ∅ 9 mm housing on the bottom of the enclosure. Protection degree IP55.

Reference	Characteristics
VEA-9	For fitting to all cabinets

Cable gland plate

Flat cable gland plates made of fully-gasketed polyester with fixing screws.

For fitting to enclosures	Reference
PLM-75/86/108	TLA-4420
PLM-108	TLA-6420

Pole fixing set

Allows the fixing of the enclosure to concrete, wooden or aluminium poles up to 675 mm in perimeter.

■ For outside installations, building sites, public lighting panels...
■ Stainless steel clamps and galvanized steel profiles.
■ Fixing of profiles to the inserts on the back of the enclosure through M8 screws supplied as standard.
■ Maximum weight recommended for the installation: 100 kg.

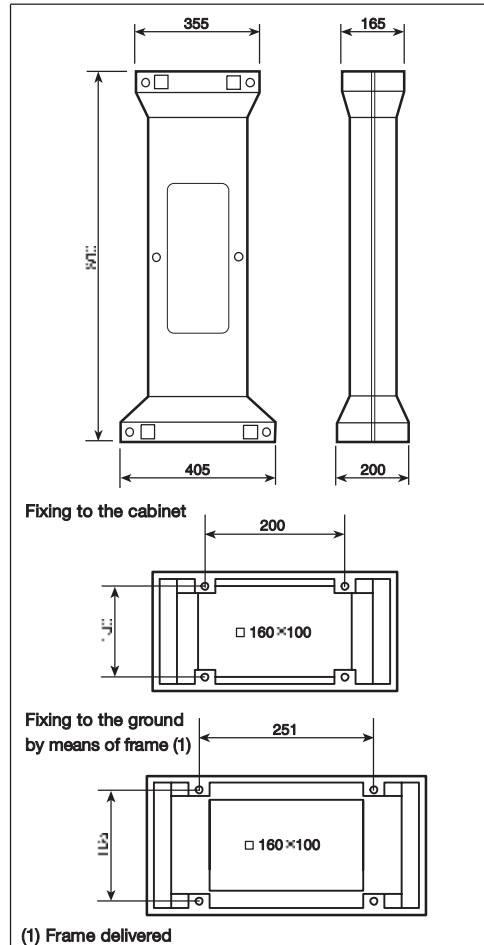| To fit to enclosures	Reference
PLM-43	SFP-300
PLM-54 and PLM-64	SFP-400
PLM-75	SFP-500
PLM-86	SFP-600

Supporting pole

For protection of incoming and outgoing cables whenever the enclosure must be kept off the ground: outside installations, camping sites, marinas... Made of fibre glass reinforced polyester.

- Steel frame for fixing to the ground.
- Easy fitting.
- High mechanical resistance.

To fit to enclosures	Reference
PLM-54 PLM-64	SFS/PLM

355   165

405   200

Fixing to the cabinet

200

□ 160 × 100

Fixing to the ground by means of frame (1)

251

□ 160 × 100

(1) Frame delivered

Doors

Door for replacement on PLM enclosures.

- Made of glass reinforced polyester to RAL-7032 grey.
- Maximum usable surface, plain door with grill for centreing of components.
- Door opening > 180°.

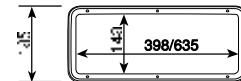| To fit to enclosures	Door	
	Blind	Transparent
PLM-3025	PUPLM-3025	KTPLM-3025
PLM-43	PUPLM-43	KTPLM-43
PLM-54	PUPLM-54	KTPLM-54
PLM-64	PUPLM-64	KTPLM-64
PLM-75	PUPLM-75	KTPLM-75
PLM-86	PUPLM-86	KTPLM-86
PLM-108	PUPLM-108	KTPLM-108

POLYMEL

Coupling frame

For side to side joining of enclosures.
- Made of self-extinguishing fibre glass reinforced polyester.
- Gasket to mantain the IP66 rating provided.
- Fixing by means of screws included as standard supply.

To fit to enclosures	Type joining	Reference
PLM-75 and 86	lateral	BU/PLM
PLM-108	lateral	BU-108/PLM

398/635
143
35

Rubber grommets

Insulating rubber grommets to cover up the rear self-ventilating windows whenever total protection in required. Supplied optionally.

To fit to enclosures	Reference
PLM-32	CE-PLM/A
PLM-43 and 54	CE-PLM/B
PLM-64, 75 and 86	CE-PLM/C

Expansible nuts

Expansible metal nuts to be used in the holes prepared in enclosures.

Characteristics	To fit to enclosures	Reference
M5	PLM-43 and 54	TEX 5
M6	PLM-64 and 108	TEX 6
M8	For enclosure body	TEX 8

POLYMEL

POLYMEL enclosures for outdoor industrial installations

Due to its plastic components quality and design, POLYMEL enclosures are suitable for panels in harsh environments where the contact with chemical and atmospheric agents is common: petrochemical, cement industries...

POLYMEL enclosures for indoor industrial installations

Their IP66 rating and high resistance to impact and temperature make them particularly suitable for industrial installations subject to processes with frequent water splashes such as paper mills, food plants, or car washing stations.

POLYMEL enclosures for leisure installations

Their resistance to corrosion and to ultra-violet rays make them ideal for installations by the coast and long exposure to sunlight.