

MECHTRIC

Enclosures & Climate Control



Enclosures & Climate Control: Mechtric's Expertise and Global Partnerships

With over 60 years of industry experience, Mechtric proudly partners with world-class manufacturers to deliver innovative solutions.

Mechtric supplies a comprehensive range of **Enclosures & Climate Control** solutions, spanning durable plastic enclosures, terminal boxes, compact sheet-metal or stainless-steel housings, and robust floor-standing distribution boards.

To safeguard internal conditions, the portfolio is complemented by panel ventilation fans and filters, roof-mounted extract units, precision thermostats, space-saving heaters, and energy-efficient LED panel lamps. Collectively, these products deliver dependable protection, consistent performance, and full compliance with international standards for industrial and commercial applications.



Enclosures & Climate Control

Enclosures

Insulated enclosures		Wiska	H-1
		Mechtric	H-2
		Lovato	H-3
Sheet metal enclosures		EAE	H-4...5
Stainless steel enclosures		EAE	H-6
Floor standing distribution boards		EAE	H-9...12

Climate Control

Panel ventilation fans and filters		Linkwell	H-13
Cabinet roof fan		Linkwell	H-13
Panel thermostats and heaters		Linkwell	H-14
Panel lamp (LED)		Linkwell	H-14

Junction boxes IP66 / 67

**COMBI**

COMBI 206



COMBI 308



COMBI 407



COMBI 304



COMBI 116

Junction boxes IP66/67

Wiska COMBI junction boxes provide ultimate protection from environmental conditions in a compact, very attractive format, suitable for extreme outdoor and indoor installations.

- **High-quality material** of the COMBI junction boxes is UV- and Ozone resistant, therefore suitable for inside as well as outside installation
- **Bellied cover** allows 10% more installation space
- Captive and rust-free **quick-release** lid screws
- Self-sealing **membranes on the rear** enable a clean assembly for cable outputs from the wall

• **Weather proof - Ultraviolet resistant - shatterproof - impact resistant - flame retardant - halogen free**

- Protection: IP66 / IP67
- Material: Polypropylene, reinforced glass fibre, sealing: thermoplastic elastomer
- Temperature: -30°C...+100°C
- Glow wire test: 750°C
- Patented combination:
 - a) Integrated thread for Metric cable gland entry without locknuts
 - b) Elastic self-sealing puncture-membrane for cable entry on the sides and rear
- Mounting: Mounting holes located outside the sealing area but within the lid
- Colour: RAL 7035 (light grey) or RAL 9005 (black)

type	cable entry sides	rear	thread Ø	colour	description	dimensions (mm)		
						(H)	(W)	(D)

Junction boxes**Screw-on lid/cover IP66 - IP67 (when used with cable gland)**

- Captive rust free quick release (1/4 turn) lid screws of plastic
- Combined threaded M20/membrane entries (407 and 1210 also have M25 knockouts)

COMBI 206	IP66/67		(captive - quick release lid screws)					
10109569	6	2	M20	■ grey	weatherproof junction box	85	49	51
10109571	6	2	M20	■ black	weatherproof junction box	85	49	51
COMBI 308	IP66/67		(captive - quick release lid screws)					
10060400	8	—	M20	■ grey	weatherproof junction box	85	85	51
10060581	8	—	M20	■ black	weatherproof junction box	85	85	51
COMBI 407	IP66/67		1 x M20 cable entry can be knocked-out for M25 entry					
10105595	7	2	M20/25	■ grey	weatherproof junction box	95	95	60
10105601	7	2	M20/25	■ black	weatherproof junction box	95	95	60
COMBI 607	IP66/67		1 x M25 cable entry can be knocked-out for M20 entry					
10060531	7	3	M25	■ grey	weatherproof junction box	110	110	66
10060648	7	3	M25	■ black	weatherproof junction box	110	110	66
COMBI 1210	IP66/67		all M20 cable entries can be knocked-out for M25 entry					
10101459	10	4	M20	■ grey	round w/proof junction box	160	140	81
10101460	10	4	M20	■ black	round w/proof junction box	160	140	81

COMBI 304 round housing - Ø 82 mm

- Flat lid - bayonet cap (quarter turn screw fixing)
- Unique hook closing mechanism preventing unauthorised access. (tool required to gain access)
- Mounting via external lugs

10110629	4	—	M20	■ grey	weatherproof junction box	Ø	82	57
10110630	4	—	M20	■ black	weatherproof junction box	Ø	82	57

Push-on lid/cover IP66 Push-on lid/cover - for easy access to internal wiring

- Cable entry: Elastic self-sealing puncture-membranes for cable entry on sides and in the base

COMBI 108	IP66		(push-on lid/cover)					
10060522	10	2	—	■ grey	weatherproof junction box	76	76	51
COMBI 116	IP66		(push-on lid/cover)					
10109563	18	4	—	■ grey	weatherproof junction box	152	76	51

Accessories for above junction boxes

10108836			external mounting feet for COMBI		308/407/607/1210			
22001132	SP-HKT 11/5	5-pole	internal terminal for COMBI 108/116/206/304/308/407					
22000407	SP-HKT607	5-pole	internal mounting terminal for COMBI 607					
10109800	ZER 4-12	Ø 4-11	strain relief ring for securing cable internally (10 pcs)					
10110766	ZER 11-18	Ø 11-18	strain relief ring for securing cable internally (10 pcs)					



TJAG1212S



TJAG1520



TIP325



TJAT1520



chassis plate

Junction boxes for electrical installations (halogen free)

The TJ series plastic boxes/enclosures are ideal for housing electrical accessories and terminals for household and fixed electrical installations and offer IP56 degree of protection.

- Max. operating temperature: 120°C
- Colour: RAL 7035 grey (*stabilised*)
- Material: Polycarbonate

type	IP rating	description	dimension (mm)		
			(H)	(W)	(D)

Halogen free junction boxes

Plastic housing

Shallow lid

TJAG0811S	IP56	PC housing - grey lid	110	80	45
TJAG0816S	IP56	PC housing - grey lid	160	80	55
TJAG1212S	IP56	PC housing - grey lid	125	125	75

Deep lid

TJAG0506	IP56	PC housing - grey (<i>high</i>) lid	65	50	55
TJAG0811	IP56	PC housing - grey (<i>high</i>) lid	110	80	70
TJAG0813	IP56	PC housing - grey (<i>high</i>) lid	130	80	70
TJAG0816	IP56	PC housing - grey (<i>high</i>) lid	160	80	90
TJAG1212	IP56	PC housing - grey (<i>high</i>) lid	125	125	100
TJAG15201	IP56	PC housing - grey (<i>high</i>) lid	200	150	130
TJAG1520	IP56	PC housing - grey (<i>high</i>) lid	200	150	100
TJAG15225	IP56	PC housing - grey (<i>high</i>) lid	250	150	100
TJAG1717	IP56	PC housing - grey (<i>high</i>) lid	175	175	75
TJAG2020	IP56	PC housing - grey (<i>high</i>) lid	200	200	130
TJAG28191	IP56	PC housing - grey (<i>high</i>) lid	190	280	180
TJAG2819	IP56	PC housing - grey (<i>high</i>) lid	190	280	130
TJAG2828	IP56	PC housing - grey (<i>high</i>) lid	280	280	130
TJAG28281	IP56	PC housing - grey (<i>high</i>) lid	280	280	180
TJAG34281	IP56	PC housing - grey (<i>high</i>) lid	280	340	180
TJAG38281	IP56	PC housing - grey (<i>high</i>) lid	280	380	180

Transparent cover/ lid

Deep lid

TJAT0811	IP56	PC housing - transparent (<i>high</i>) lid	110	80	70
TJAT0816	IP56	PC housing - transparent (<i>high</i>) lid	160	80	90
TJAT1212	IP56	PC housing - transparent (<i>high</i>) lid	125	125	100
TJAT1520	IP56	PC housing - transparent (<i>high</i>) lid	200	150	100
TJAT15201	IP56	PC housing - transparent (<i>high</i>) lid	150	200	130
TJAT2020	IP56	PC housing - transparent (<i>high</i>) lid	200	200	130
TJAT28191	IP56	PC housing - transparent (<i>high</i>) lid	190	280	180
TJAT2819	IP56	PC housing - transparent (<i>high</i>) lid	190	280	130
TJAT2828	IP56	PC housing - transparent (<i>high</i>) lid	280	280	130
TJAT28281	IP56	PC housing - transparent (<i>high</i>) lid	280	280	180
TJAT34281	IP56	PC housing - transparent (<i>high</i>) lid	280	340	180
TJAT38281	IP56	PC housing - transparent (<i>high</i>) lid	280	380	180

Accessories for above enclosures

654.0085	—	brackets
654.0021	—	brackets

Plastic housings (GRP)

TIP325	IP56	GRP housing - grey lid	250	300	140
TIP43	IP56	GRP housing - grey lid	300	400	200
TIP44	IP56	GRP housing - grey lid	400	400	200
TIP54	IP56	GRP housing - grey lid	400	500	200
TIP64	IP56	GRP housing - grey lid	400	600	230
TIP65	IP56	GRP housing - grey lid	500	600	230
TIP86	IP56	GRP housing - grey lid	600	800	300

Insulated enclosures IP65



M1N



M24N



M3N

Plastic enclosures (IP65)

Lovato M series enclosures are high quality, extremely robust housings ideally suited to indoor or outdoor installations, offering IP65 protection to internally mounted components.

General features:

- Protection degree: IP 65
- Operating temperature: -25...+60°C
- Material: Made of UV protected Polycarbonate
- Colour: Black base and RAL7035 (light grey) cover

type	IP rating	cable entry	description	dimensions (mm)		
				(H)	(W)	(D)

M1 and M2 series - Housings IP65 (light grey)

Slim, deep housings designed for compact but tall components such as contactors, timers, voltage, liquid level and phase failure relays etc. required to be housed in a protective enclosure without occupying much space.

General features:

- External mounting holes
- Incorporated earth terminal
- DIN rail incorporated into internal base of enclosure for mounting electrical components
- Two M20 knock-outs on top and bottom of enclosure (to accommodate gland for cable entry)

Polycarbonate housing

M1N	IP65	M20	slim polycarbonate housing	202	88	135
M2N	IP65	M20	slim polycarbonate housing	234	110	149

M24 and M25 series - Housings IP65 (light grey)

Robust, heavy duty enclosures for mounting a variety of electrical components.

General features:

- Incorporated earth terminal
- Mounting holes within the enclosure (outside the sealing gasket)
- Supplied complete with internal metal chassis plate (156 x 148 mm)
- Moulded (alpha and numeric) grid on internal door for ease of mounting control devices
- Two M25/M32 knock-outs on top and bottom of enclosure (to accommodate gland for cable entry)

Polycarbonate housing

M24N	IP65	M25/32	shallow polycarbonate housing	210	175	99
M25N	IP65	M25/32	deep polycarbonate housing	210	175	165

M3 series - Housings IP65 (light grey)

Robust, heavy duty enclosure with high impact resistance and incorporated hinge facility for mounting a variety of electrical components.

General features:

- Material: ABS plastic material
- Incorporated hinge facility (180° full opening) lid can be removed if required
- Mounting holes within the enclosure (outside the sealing gasket)
- Moulded (alpha - numeric) grid on internal door for easy alignment of control devices
- Internal ribbing in base for mounting components - DIN rail etc.
- Plain base (no knockouts) for easy configuration of cable entry/exits

ABS housing

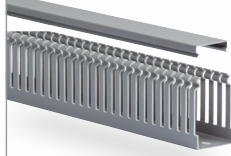
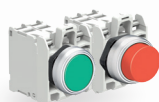
M3N	IP65	—	ABS housing without chassis plate	280	220	170
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Accessories**Spare chassis**

MX30	chassis	—	metal chassis/mounting plate	for M3N enclosures		
MX31	chassis	—	metal chassis/mounting plate	(for M25N enclosures)		

Adaptor and extension rods

MX21P	adaptor	fixing adaptor for pushbutton contact blocks	(for M1/2/25 enclosures)
MX11P	extension rod	stop/reset button extension rod	(for M1 enclosures)
MX12P	extension rod	stop/reset button extension rod	(for M2/25 enclosures)

Electrical enclosures - accessoriesSlotted cable trunking
L-9Pushbuttons
D-1...3Pilot lights
D-9Panel fans
H-13Thermostat
H-14



Terminal boxes for electrical installations

Series terminal boxes are designed as general purpose electrical equipment enclosures for indoor applications. The monoblock body structure and provide IP66 protection degree

- Max. operating temperature: 60°C
- Colour: T series - RAL 7035 (grey) / XT series - Stainless steel
- Material: Sheet steel (*pre-galvanized*)
- Reference standards: IEC 62208, IEC 60529, IEC 62262

type	IP rating	description	dimension (mm)		
			(H)	(W)	(D)

Terminal boxes IP66

T series - Sheet-steel terminal boxes

- With 270 degree of fastening screws, the lid/cover can be opened and closed easily.
- Foam-in place gaskets provides protection against dust and water
- With the bracket set, the box can be mounted to the wall easily and quickly

ET 20 20	IP66	sheet steel terminal box	200	200	120
ET 20 30	IP66	sheet steel terminal box	200	300	120
ET 20 40	IP66	sheet steel terminal box	200	400	120
ET 30 30	IP66	sheet steel terminal box	300	300	120
ET 30 40	IP66	sheet steel terminal box	300	400	120
ET 40 40	IP66	sheet steel terminal box	400	400	120

EG EBS		sheet steel mounting brackets			set (4 pcs)
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T series - Stainless-steel terminal boxes AISI 316 grade

T series terminal boxes are designed as general purpose electrical equipment enclosures for indoor and outdoor applications. They have monoblock body structure and provide IP66 protection degree.

- With 270 degree of fastening screws (AISI 316), the lid/cover can be opened and closed easily.
- Foam-in place gaskets provides protection against dust and water
- With the bracket set (AISI 316), the box can be mounted to the wall easily and quickly (*ordered separately*)

XT 20 20 PK 316	IP66	stainless steel terminal box	200	200	120
XT 20 30 PK 316	IP66	stainless steel terminal box	200	300	120
XT 20 40 PK 316	IP66	stainless steel terminal box	200	400	120
XT 30 30 PK 316	IP66	stainless steel terminal box	300	300	120
XT 30 40 PK 316	IP66	stainless steel terminal box	300	400	120
XT 40 40 PK 316	IP66	stainless steel terminal box	400	400	120

XM BS		stainless steel mounting brackets			set (4 pcs)
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Stainless-steel terminal boxes

Quarter-turn lock



Practical mounting plate



Polyurethane sealing gasket



Optional stainless-steel bracket



Sheet metal electrical enclosures IP66



EO 50 50 20 D



EM 100 100 30 D

EO series - Sheet metal electrical enclosures

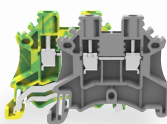
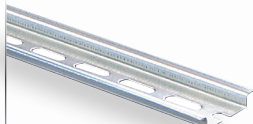
EO series wall-mounted enclosures are designed as general-purpose electrical equipment enclosures for indoor applications.

These enclosures feature a rigid, single-piece monoblock body structure. The body and door are constructed from pre-galvanized sheet steel and finished with an epoxy-polyester powder coating.

The series provides a certified IP66 protection degree, ensuring protection against dust ingress and powerful water jets. This makes the enclosures suitable for protecting sensitive components within indoor environments.

- Mounting: Wall-Mounted
- Modularity: Monoblock
- Application: Indoor
- Protection Class: I P 66
- Paint: Epoxy-Polyester Powder Paint
- Colour: Standard RAL 7035 (Grey Colour) & RAL 2000 (Orange)
- Door opening: Can be opened 130° wide with the standard hinge set (180° with the optional hinge set)
- Reference standards: IEC 61439-1, IEC 62208, IEC 60529, IEC 62262

type	IP rating	colour	description	dimensions (mm)		
				(H)	(W)	(D)
Sheet metal enclosures - Grey (RAL 7035)			IP66			
150 mm depth - enclosures						
EO 25 20 15 D	IP66	grey	surface mount sheet metal enclosure	250	200	150
EO 30 20 15 D	IP66	grey	surface mount sheet metal enclosure	300	200	150
EO 30 25 15 D	IP66	grey	surface mount sheet metal enclosure	300	250	150
EO 30 30 15 D	IP66	grey	surface mount sheet metal enclosure	300	300	150
EO 40 30 15 D	IP66	grey	surface mount sheet metal enclosure	400	300	150
200 mm depth - enclosures						
EO 30 30 20 D	IP66	grey	surface mount sheet metal enclosure	300	300	200
EO 40 30 20 D	IP66	grey	surface mount sheet metal enclosure	400	300	200
EO 40 40 20 D	IP66	grey	surface mount sheet metal enclosure	400	400	200
EO 40 60 20 D	IP66	grey	surface mount sheet metal enclosure	400	600	200
EO 50 40 20 D	IP66	grey	surface mount sheet metal enclosure	500	400	200
EO 50 50 20 D	IP66	grey	surface mount sheet metal enclosure	500	500	200
EO 60 40 20 D	IP66	grey	surface mount sheet metal enclosure	600	400	200
EO 60 50 20 D	IP66	grey	surface mount sheet metal enclosure	600	500	200
EO 60 60 20 D	IP66	grey	surface mount sheet metal enclosure	600	600	200
EO 80 60 20 D	IP66	grey	surface mount sheet metal enclosure	800	600	200
300 mm depth - enclosures						
EO 60 40 30 D	IP66	grey	surface mount sheet metal enclosure	600	400	300
EO 60 60 30 D	IP66	grey	surface mount sheet metal enclosure	600	600	300
EO 80 60 30 D	IP66	grey	surface mount sheet metal enclosure	800	600	300
EM 80 80 30 D	IP66	grey	surface mount sheet metal enclosure	800	800	300
EM 100 60 30 D	IP66	grey	surface mount sheet metal enclosure	1000	600	300
EM 100 80 30 D	IP66	grey	surface mount sheet metal enclosure	1000	800	300
EM 120 60 30 D	IP66	grey	surface mount sheet metal enclosure	1200	600	300
EM 120 80 30 D	IP66	grey	surface mount sheet metal enclosure	1200	800	300
400 mm depth - enclosures						
EM 100 80 40 D	IP66	grey	surface mount sheet metal enclosure	1000	800	400
EM 120 80 40 D	IP66	grey	surface mount sheet metal enclosure	1200	800	400

Cable wiring and termination - accessoriesRail mount terminals
L-1...6DIN mounting rail
L-10Pilot lights
D-9Cable glands (compression)
L-13Multi-pole distribution block
L-16



EO 60 60 20 D O

Sheet metal enclosures - Orange (RAL 2000)

IP66

type	IP rating	colour	description	dimensions (mm)		
				(H)	(W)	(D)
200 mm deep - enclosures						
EO 40 60 20 D O	IP66	orange	surface mount sheet metal enclosure	400	600	200
EO 60 60 20 D O	IP66	orange	surface mount sheet metal enclosure	600	600	200
EO 80 60 20 D O	IP66	orange	surface mount sheet metal enclosure	800	600	200
300 mm deep - enclosures						
EO 60 60 30 D O	IP66	orange	surface mount sheet metal enclosure	800	600	300
EO 80 60 30 D O	IP66	orange	surface mount sheet metal enclosure	800	600	300
EO 80 80 30 D O	IP66	orange	surface mount sheet metal enclosure	800	800	300
EM 100 60 30 D O	IP66	orange	surface mount sheet metal enclosure	1000	600	300
EM 100 80 30 D O	IP66	orange	surface mount sheet metal enclosure	1000	800	300
EM 120 60 30 D O	IP66	orange	surface mount sheet metal enclosure	1200	600	300
EM 120 80 30 D O	IP66	orange	surface mount sheet metal enclosure	1200	800	300
400 mm deep - enclosures						
EM 100 80 40 D O	IP66	orange	surface mount sheet metal enclosure	1000	800	400
EM 120 80 40 D O	IP66	orange	surface mount sheet metal enclosure	1200	800	400

Accessories for EO/EM enclosures

Internal door kit

- Reversible and lockable

EO OB 40 40 W	—	white	internal door kit for enclosures	400	400	—
EO OB 60 40 W	—	white	internal door kit for enclosures	600	400	—
EO OB 40 60 W	—	white	internal door kit for enclosures	400	600	—
EO OB 60 60 W	—	white	internal door kit for enclosures	600	600	—
EO OB 80 60 W	—	white	internal door kit for enclosures	800	600	—
EO OB 100 60 W	—	white	internal door kit for enclosures	1000	600	—
EO OB 120 60 W	—	white	internal door kit for enclosures	1200	600	—
EO OB 80 80 W	—	white	internal door kit for enclosures	800	800	—
EO OB 100 80 W	—	white	internal door kit for enclosures	1000	800	—
EO OB 120 80 W	—	white	internal door kit for enclosures	1200	800	—

Hinges

EM TA 2M	(2 pcs)	180° hinge for enclosure height	700	—	—
EM TA 3M	(2 pcs)	180° hinge for enclosure height	700	—	—

Locks

EM KT 12	lock	—	(eurokey 333) key lock	(1 pc)
EM KT 13	lock	—	padlockable lock	(1 pc)
XM KT 13*	lock	—	(AISI 316) stainless steel lock	(1 pc)

* Standard lock is plastic. Stainless-steel lock sold separately

Electrical enclosures - features

Support rails

Support rails increase the strength of the door and allow attachment of equipment such as cables and cable trays.



Polyurethane sealing gasket

Foam-in place gasket applied to the door does not lose its elasticity in time and provides protection against dust and water.



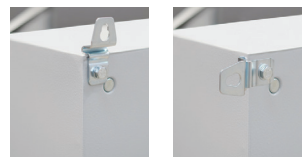
130° standard door opening

The door can be opened 130° wide with the standard hinge set, thus full access is provided during assembly.



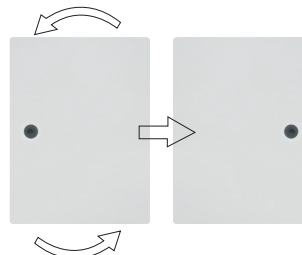
Useful bracket

With the bracket set, the enclosure can be fixed to the wall easily and quickly. The bracket kit is included in the standard supply content.



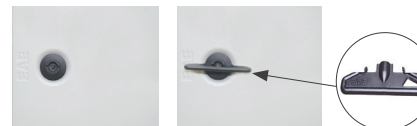
Changeable door opening direction

The door opening direction can be changed if it is needed.



Useful lock system

The key, which is designed to be attached to the lock slot if needed, can also be used as a lock handle





E-Kabin S series floor-standing enclosures

About EAE

Founded in 1973, EAE is a global leader in electrical distribution solutions, exporting to over 150+ countries. With robust R&D and modern production facilities, EAE delivers reliable, innovative products that meet international standards.

E-Kabin S - Characteristics

E-Kabin S enclosures are designed for **professional high-current** applications and **indoor** use. The **modular construction** allows side-by-side expansion.

Depending on the selected door type, **IP55** (*plain or glazed*) or **IP 41** and **IP31** (*vented*) protection is available. All load-bearing parts are made of 2 mm pre-galvanized **steel sheet**, finished with **epoxy polyester powder paint**.

Key Features:

- **Flat-Packed Shipment** — Shipped in flat-pack form, simplifying logistics and stock management.
- **Flexible Layout** — Multiple door setups, partial doors, and depth adjustment.
- **Reliable Performance** — Durable lock design, sturdy framework, integrated plinth.
- **Quick & Easy Assembly** — Standardized components and captive screws.

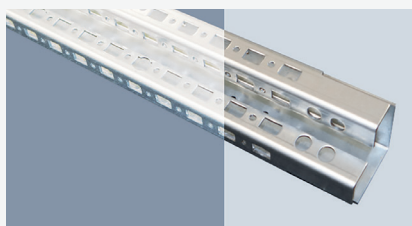
Aesthetical outlook

Front bar, made of anodised aluminium, provides a clean, aesthetic finish.



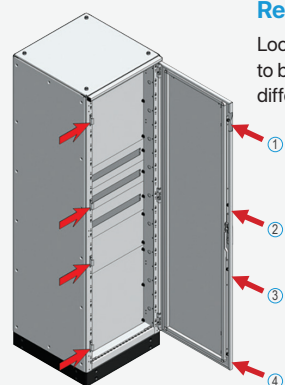
High resistance against corrosion

Framework components are made of 2 mm pre-galvanized sheet steel and painted.



Lock type

The swinghandle lock provides an aesthetic appearance and maximizes comfort with its functional structure.

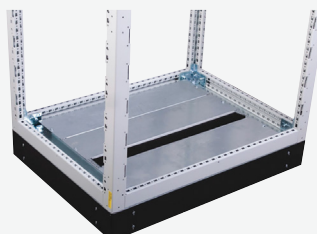


Reliable locking system

Locking system enables the door to be fixed to the framework at four different points

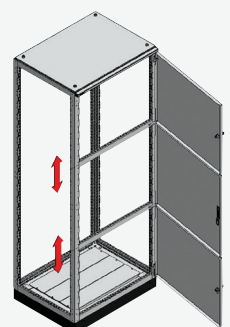
Modular bottom plate arrangement

Bottom plate arrangement complying with high protection degree provides comfort with possibility of sliding pieces.



Separation options for power distribution applications

Horizontal partitioning





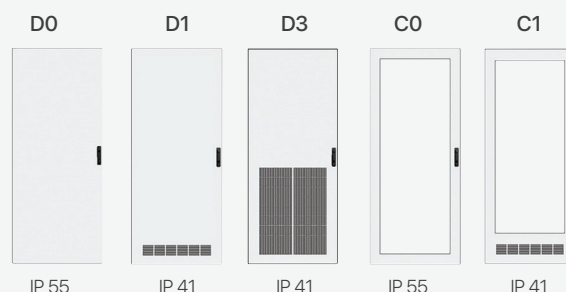
Doors with ventilation louvres

Doors with ventilation louvres that can be used in various applications can be selected as standard



Wide range of door type options

- Plain
- Tempered Glass (4 mm)
- Ventilated
IP41 washable filter and filter holder grid



**PANELMASTER
PRO**

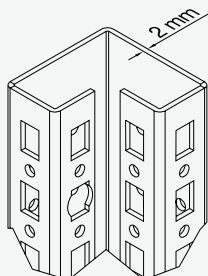


**PanelMasterPro
(PMPro) - Panel Design
Software**

PanelMasterPro is software specifically developed for our partners to facilitate and accelerate the design of PanelMaster type-tested switchboards

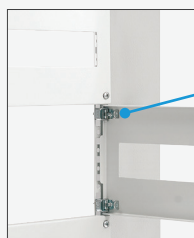
Robust Framework

Its strong framework structure allows doors and covers to be fixed after electro-assembly.



Hinged cover plates

Cover plates are manufactured as hinged and openable. Thus, it is possible to intervene without removing the cover plate.



Modular Design - side-by-side expandability

Thanks to its modular structure, it is possible to assemble and expand it side by side for multiple combinations.

- Front and rear door possibility
- Changeable door opening direction
- Corner module application

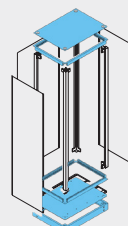


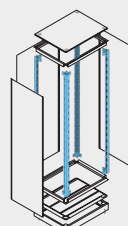
Modular floor standing distribution board system (IP55)











E-Kabin S series floor-standing enclosures are designed to be used in professional high current applications. They are suitable for indoor applications and have modular structure, which enables expansion by combining side by side.

• Type of Mounting: Floor-Standing

• Modularity : Modular

• Application : Indoor

• Protection Class IP55, IP41 - depending on front door type

• Colour : Standard RAL 7035 (Grey Colour)

• Standards: IEC 61439-1, IEC 62208, IEC 60529, IEC 62262

Dimension (mm)			Top and bottom frame (set)	4 uprights
width	depth	height		
400	400	2000	ES MS 0404	ES DP 20
400	600	2000	ES MS 0406	ES DP 20
400	800	2000	ES MS 0408	ES DP 20
600	400	2000	ES MS 0604	ES DP 20
600	600	2000	ES MS 0606	ES DP 20
600	800	2000	ES MS 0608	ES DP 20
800	400	2000	ES MS 0804	ES DP 20
800	600	2000	ES MS 0806	ES DP 20
800	800	2000	ES MS 0808	ES DP 20

- Type of Mounting: Floor-Standing
- Modularity : Modular
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ES MS 0608

ES DP 20

EG HM 0608

type	description	dimensions (mm)			
		(H)	(W)	(D)	
Top and bottom frame set <i>(connects to uprights)</i>					
• It includes horizontal rails, top cover and plinth set to form the framework structure					
The ES MS kit includes: 4 pieces of horizontal rails <i>(in width)</i> 4 pieces of Horizontal rails <i>(in depth)</i> 1 piece of Top cover / Plinth set / 1 set of Bottom gland plate					
ES MS 0404	top and bottom set frame <i>(connects to uprights)</i>	—	400	400	
ES MS 0406	top and bottom set frame <i>(connects to uprights)</i>	—	400	600	
ES MS 0408	top and bottom set frame <i>(connects to uprights)</i>	—	400	800	
ES MS 0604	top and bottom set frame <i>(connects to uprights)</i>	—	600	400	
ES MS 0606	top and bottom set frame <i>(connects to uprights)</i>	—	600	600	
ES MS 0608	top and bottom set frame <i>(connects to uprights)</i>	—	600	800	
ES MS 0804	top and bottom set frame <i>(connects to uprights)</i>	—	800	400	
ES MS 0806	top and bottom set frame <i>(connects to uprights)</i>	—	800	600	
ES MS 0808	top and bottom set frame <i>(connects to uprights)</i>	—	800	800	
ES MS 5504	top and bottom set frame <i>(connects to uprights)</i>	—	1000	400	
ES MS 5506	top and bottom set frame <i>(connects to uprights)</i>	—	1000	600	
ES MS 5508	top and bottom set frame <i>(connects to uprights)</i>	—	1000	800	
Four uprights <i>(connects to top and bottom frames with single captive screw)</i>					
• Used vertically to form the enclosure framework					
ES DP 20	set of 4 uprights <i>(connects to top and bottom frame)</i>	2000	—	—	
Intermediary upright rail					
• Designed to be installed between fixed panels at rear side of enclosures with overlapping door.					
ES DO 20	intermediary upright rail <i>(1 piece)</i>	2000	—	—	
Ventilation module <i>(150 mm high)</i>					
EG HM 0404	ventilation module with front and rear grills	150	400	400	
EG HM 0406	ventilation module with front and rear grills	150	400	600	
EG HM 0408	ventilation module with front and rear grills	150	400	800	
EG HM 0604	ventilation module with front and rear grills	150	600	400	
EG HM 0606	ventilation module with front and rear grills	150	600	600	
EG HM 0608	ventilation module with front and rear grills	150	600	800	
EG HM 0804	ventilation module with front and rear grills	150	800	400	
EG HM 0806	ventilation module with front and rear grills	150	800	600	
EG HM 0808	ventilation module with front and rear grills	150	800	800	
EG HM 1004	ventilation module with front and rear grills	150	1000	400	
EG HM 1006	ventilation module with front and rear grills	150	1000	600	
EG HM 1008	ventilation module with front and rear grills	150	1000	800	



ES MS 0608



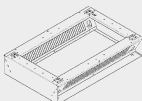
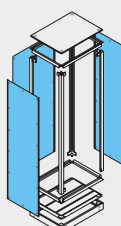
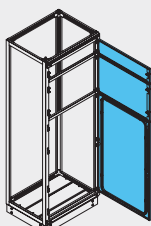
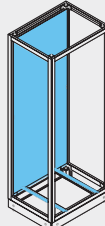
ES DP 20



EG HM 0608

Modular floor standing distribution board system (IP55)

H

					
Ventilation module (H=150 mm)	Fixed panel		doors		chassis plate full height
	side panel	back panel	plain	transparent	
EG HM 0404	2 x EG SK 2004	EG SK 2004	ES OK 2004 D0	ES OK 2004 C0	EG MK 20 04 04 T20
EG HM 0406	2 x EG SK 2006	EG SK 2004	ES OK 2004 D0	ES OK 2006 C0	EG MK 20 04 06 T20
EG HM 0408	2 x EG SK 2008	EG SK 2004	ES OK 2004 D0	ES OK 2008 C0	EG MK 20 04 08 T20
EG HM 0604	2 x EG SK 2004	EG SK 2006	ES OK 2006 D0	ES OK 2004 C0	EG MK 20 06 04 T20
EG HM 0606	2 x EG SK 2006	EG SK 2006	ES OK 2006 D0	ES OK 2006 C0	EG MK 20 06 06 T20
EG HM 0608	2 x EG SK 2008	EG SK 2006	ES OK 2006 D0	ES OK 2008 C0	EG MK 20 06 08 T20
EG HM 0804	2 x EG SK 2004	EG SK 2008	ES OK 2008 D0	ES OK 2004 C0	EG MK 20 08 04 T20
EG HM 0806	2 x EG SK 2006	EG SK 2008	ES OK 2008 D0	ES OK 2006 C0	EG MK 20 08 06 T20
EG HM 0808	2 x EG SK 2008	EG SK 2008	ES OK 2008 D0	ES OK 2008 C0	EG MK 20 08 08 T20



type	description	dimensions (mm)		
		(H)	(W)	(D)
Fixed panels (removable - use as back and side) supplied individually				
• It is used to close the rear and/or sides of the panels. The design of the rear and side fixed panels are the same.				
EG SK 2004	fixed panel for S series enclosures	2000	400	—
EG SK 2006	fixed panel for S series enclosures	2000	600	—
EG SK 2008	fixed panel for S series enclosures	2000	800	—
EG SK 2010	fixed panel for S series enclosures	2000	1000	—
Doors (with hinges and locks)				
ES OK 2004 C0	door for S series system (reversible) (transparent)	2000	400	—
ES OK 2006 C0	door for S series system (reversible) (transparent)	2000	600	—
ES OK 2008 C0	door for S series system (reversible) (transparent)	2000	800	—
ES OK 2004 D0	door for S series system (reversible) (plain)	2000	400	—
ES OK 2006 D0	door for S series system (reversible) (plain)	2000	600	—
ES OK 2008 D0	door for S series system (reversible) (plain)	2000	800	—
ES OK 2010 D0	door for S series system (reversible) (plain)	2000	1000	—
Partial doors (horizontal)				
• Designed to use for horizontal partitioning for power distribution applications				
• When using partial doors, Front bars (ES OET) have to be ordered additionally				
ES PK 04 04	horizontal partial door for power distribution	—	400	400
ES PK 04 06	horizontal partial door for power distribution	—	400	600
ES PK 04 08	horizontal partial door for power distribution	—	400	800
ES PK 06 04	horizontal partial door for power distribution	—	600	400
ES PK 06 06	horizontal partial door for power distribution	—	600	600
ES PK 06 08	horizontal partial door for power distribution	—	600	800
ES PK 08 04	horizontal partial door for power distribution	—	800	400
ES PK 08 06	horizontal partial door for power distribution	—	800	600
ES PK 08 08	horizontal partial door for power distribution	—	800	800
ES PK 10 04	horizontal partial door for power distribution	—	1000	400
ES PK 10 06	horizontal partial door for power distribution	—	1000	600
ES PK 10 08	horizontal partial door for power distribution	—	1000	800
Front bars				
• When using ES PK, it must be ordered separately as 1 piece per section				
ES OET 04	front bar for above partial doors 1 (each)	—	400	—
ES OET 06	front bar for above partial doors 1 (each)	—	600	—
ES OET 08	front bar for above partial doors 1 (each)	—	800	—
ES OET 10	front bar for above partial doors 1 (each)	—	1000	—
Divider rail (designed to use for horizontal partitioning for power distribution applications)				
ES YA 04 35	partitioning divider rail 1 (each)	—	400	—
ES YA 06 35	partitioning divider rail 1 (each)	—	600	—
ES YA 08 35	partitioning divider rail 1 (each)	—	800	—
ES YA 10 35	partitioning divider rail 1 (each)	—	1000	—

Modular floor standing distribution board system (IP55)

type	description	dimensions (mm)		
		(H)	(W)	(D)

Brush entry plates *(suitable for cable entry in modular enclosures)*

- Kit includes: 1x galvanized steel gland plate, 2x PVC brush strips, 1x mounting kit
- In enclosures with brush plates, the IP rating is reduced

EG FR 40	brush entry plates for ES MS frame sets	—	400	400
EG FR 60	brush entry plates for ES MS frame sets	—	400	600
800 mm wide enclosures require:		2x EG FR 40		
1000 mm wide enclosures require:		1x EG FR 40 and 1x EG FR 60		

Internal mounting kits

Internal mounting kits provide the structural “backbone” inside the enclosure, letting a user attach and organise control equipment neatly and securely.

Chassis plates *(full height)*

EG MK 20 04 04 T20	galvanized steel chassis plate	<i>(full height)</i>	—	400	400
EG MK 20 04 06 T20	galvanized steel chassis plate	<i>(full height)</i>	—	400	600
EG MK 20 04 08 T20	galvanized steel chassis plate	<i>(full height)</i>	—	400	800
EG MK 20 06 04 T20	galvanized steel chassis plate	<i>(full height)</i>	—	600	400
EG MK 20 06 06 T20	galvanized steel chassis plate	<i>(full height)</i>	—	600	600
EG MK 20 06 08 T20	galvanized steel chassis plate	<i>(full height)</i>	—	600	800
EG MK 20 08 04 T20	galvanized steel chassis plate	<i>(full height)</i>	—	800	400
EG MK 20 08 06 T20	galvanized steel chassis plate	<i>(full height)</i>	—	800	600
EG MK 20 08 08 T20	galvanized steel chassis plate	<i>(full height)</i>	—	800	800
EG MK 20 10 04 T20	galvanized steel chassis plate	<i>(full height)</i>	—	1000	400
EG MK 20 10 06 T20	galvanized steel chassis plate	<i>(full height)</i>	—	1000	600
EG MK 20 10 08 T20	galvanized steel chassis plate	<i>(full height)</i>	—	1000	800

Adjustable chassis plates *(full height)*

- Designed for situations where the full height mounting plate needs to be adjusted through the depth.

EG MKT 04	adj. depth full height chassis plate kit	<i>(full height)</i>	—	400	—
EG MKT 06	adj. depth full height chassis plate kit	<i>(full height)</i>	—	600	—
EG MKT 08	adj. depth full height chassis plate kit	<i>(full height)</i>	—	800	—
EG MKT 10	adj. depth full height chassis plate kit	<i>(full height)</i>	—	1000	—

Perforated mounting rails *(universal base to fasten DIN rails or terminal assemblies)*

- Mounted horizontally or vertically inside the panel
- Galvanized steel sheet designed for general use

EG MC 0400	perforated mounting rail	—	400	—
EG MC 0600	perforated mounting rail	—	600	—
EG MC 0800	perforated mounting rail	—	800	—
EG MC 1800	perforated mounting rail	—	1800	—

Partial chassis plates

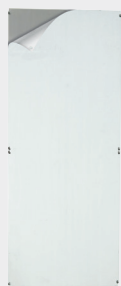
- Partial-height internal mounting plates, ideal for modular or space-efficient installations

EG MP 10 04	partial chassis plate	<i>(partial)</i>	100	400	—
EG MP 20 04	partial chassis plate	<i>(partial)</i>	200	400	—
EG MP 40 04	partial chassis plate	<i>(partial)</i>	400	400	—
EG MP 60 04	partial chassis plate	<i>(partial)</i>	600	400	—
EG MP 10 06	partial chassis plate	<i>(partial)</i>	100	600	—
EG MP 20 06	partial chassis plate	<i>(partial)</i>	200	600	—
EG MP 40 06	partial chassis plate	<i>(partial)</i>	400	600	—
EG MP 60 06	partial chassis plate	<i>(partial)</i>	600	600	—
EG MP 10 08	partial chassis plate	<i>(partial)</i>	100	800	—
EG MP 20 08	partial chassis plate	<i>(partial)</i>	200	800	—
EG MP 40 08	partial chassis plate	<i>(partial)</i>	400	800	—
EG MP 60 08	partial chassis plate	<i>(partial)</i>	600	800	—
EG DST 100	adj. depth L-shaped bracket for EG MP		100 mm		
EG DST 200	adj. depth L-shaped bracket for EG MP		100 mm		

Aluminium DIN-rail set

- Door reinforcement bars that strengthen the door, especially for wide or equipment-mounted applications

EG RS 04	aluminium din rail set	net length 246 mm	—	400	—
EG RS 06	aluminium din rail set	net length 446 mm	—	600	—
EG RS 08	aluminium din rail set	net length 646 mm	—	800	—



EG MK 20 06 08 T20



EG MKT 08



EG MC 0800



EG MP 60 08



EG RS 08

Equipment mounting kits

- Comprises: mounting accessories and front covers for MCBs, MCCBs and ACBs

type	description	for components	dimensions (mm)			
			(H)	(W)	D	
MCB cover plates with hinges (vertical)						
		MCB	MCCB			
EG OM 1504A	kit for mounting	10 mod	1 x 250A	150	400	—
EG OM 2004A	kit for mounting	12 mod	1 x 250A	200	400	—
EG OM 1506A	kit for mounting	18 mod	2 x 250A 1 x 400A	150	600	—
EG OM 2006A	kit for mounting	24 mod	2 x 250A / 1 x 400A	200	600	—
EG OM 1508A	kit for mounting	27 mod	3 x 250A / 2 x 400A	150	800	—
EG OM 2008A	kit for mounting	36 mod	3 x 250A / 2 x 400A	200	800	—
EG DST 100	adj. depth L-shaped bracket for EG OM				100 mm	
EG DST 200	adj. depth L-shaped bracket for EG OM				100 mm	

Front cover frame set (vertical)

- Comprises: 2x vertical cover profiles / 2x horizontal cover profiles / 1x fastening kit

EG OS 1804	front cover frame set for EG OM cover plates	1800	400	—
EG OS 1806	front cover frame set for EG OM cover plates	1800	600	—
EG OS 1808	front cover frame set for EG OM cover plates	1800	800	—

Blanking cover plates (with hinges)

- 1x cover plate / 1x mounting accessory kit

EG OM 1504	front blanking cover plate	(plain)	150	400	—
EG OM 2004	front blanking cover plate	(plain)	200	400	—
EG OM 3004	front blanking cover plate	(plain)	300	400	—
EG OM 4504	front blanking cover plate	(plain)	400	400	—
EG OM 6504	front blanking cover plate	(plain)	600	400	—
EG OM 1506	front blanking cover plate	(plain)	150	600	—
EG OM 2006	front blanking cover plate	(plain)	200	600	—
EG OM 3006	front blanking cover plate	(plain)	300	600	—
EG OM 4506	front blanking cover plate	(plain)	400	600	—
EG OM 6506	front blanking cover plate	(plain)	600	600	—
EG OM 1508	front blanking cover plate	(plain)	150	800	—
EG OM 2008	front blanking cover plate	(plain)	200	800	—
EG OM 3008	front blanking cover plate	(plain)	300	800	—
EG OM 4508	front blanking cover plate	(plain)	400	800	—
EG OM 6508	front blanking cover plate	(plain)	600	800	—

Busbar riser module (for EG HM plints)

EG BY 0404	busbar riser module	100	400	400
EG BY 0406	busbar riser module	100	400	600
EG BY 0408	busbar riser module	100	400	800
EG BY 0604	busbar riser module	100	600	400
EG BY 0606	busbar riser module	100	600	600
EG BY 0608	busbar riser module	100	600	800
EG BY 0804	busbar riser module	100	800	400
EG BY 0806	busbar riser module	100	800	600
EG BY 0808	busbar riser module	100	800	800
EG BY 1004	busbar riser module	100	1000	400
EG BY 1006	busbar riser module	100	1000	600
EG BY 1008	busbar riser module	100	1000	800



EG OM 1508A



EG OS 180...



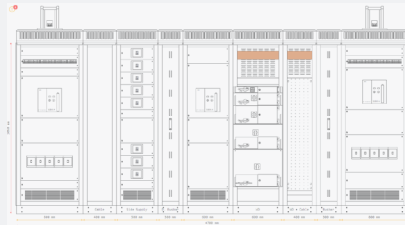
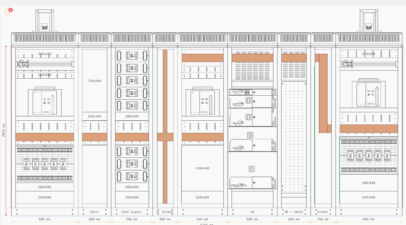
EG OM 1504



EG BY...

PANELMASTER

- User friendly verified design software according to IEC 61439-1 and 2 type-test rules



**FU series - Complete filter/fan units**

Complete filter fan assembly with fan, mounting frame, removable filter and internal finger guard. Mounts through panel wall or door for simple installation as a ventilator device for electrical cabinets and panels.

- Temperature: -20°C...+65°C
- Permanent sealing gasket in polyurethane foam, shielded self lubricating ball bearing fans

type	fan type	voltage (V)	power (W)	air flow* (m³/h)	noise (dB/A)	dimensions (mm²)		
						size	frame	cutout

FU series - Panel fan/filter units**IP54**

A compact, high-performance fan/filter combo designed for rapid cabinet ventilation and easy upkeep.

- Tool-free ABS housing, UL 94-V0 rated, IP54 (*IP55 with filter*)
- High-efficiency axial fan with pull-out filter frame for superior airflow
- Material: Thermoplastic UV protected - self-extinguishing - UL94V-0, RoHS

AC filter/fans ①

FK5521.230	230 VAC	13/12	28 / 38	28/32	1	109	92
FU122.230	230 VAC	19/18	65 / 85	41/42	2	149	122
FU175.230	230 VAC	19/18	105/126	41/42	3	204	175
FU223.230	230 VAC	38/36	220 / 240	50/52	4	255	223
FU283.230	230 VAC	55/65	550 / 600	59/61	5	320	283
FU292-D.230	230 VAC	110/150	1150/1350	68/71	6	320	292

* Air flow rate, free blowing

DC panel fan/filter units ①

FK5521.024	24 VDC	2.04	38	36	1	109	92
FU122.024	24 VDC	4.8	100	41	2	149	122
FU223.024	24 VDC	12	300	50	4	255	223

Exhaust filter - without fan - used as a matching air outlet ②

Exhaust Filter should match the size of the filter/fan to achieve optimal ventilation within the cabinet.

FK5521.300	outlet	—	—	exhaust filter only	1	109	92
FU122.300	outlet	—	—	exhaust filter only	2	149	122
FU175.300	outlet	—	—	exhaust filter only	3	204	175
FU223.300	outlet	—	—	exhaust filter only	4	255	223
FU283.300	outlet	—	—	exhaust filter only	5	320	283
FU292.300	outlet	—	—	exhaust filter only	6	320	292

RC series - Panel fan/filter units with rain hood ③**IP55**

All the advantages of the FU series enhanced with weatherproof protection for outdoor or wash-down applications.

type	fan type	voltage (V)	power (W)	air flow* (m³/h)	noise (dB/A)	dimensions (mm²)		
						size	frame	cutout

- Molded rain hood plus UL 94-V0 ABS housing delivers IP56 under heavy spray
- Snap-in filter replacement and energy-saving fan performance for field use

AC filter/fans

RC9802.230	230 VAC	13	18	33	1	119	92
RC9803.230	230 VAC	19/18	35	44	1	152	124
RC9804.230	230 VAC	38/36	90	62	1	206	177
RC9805.230	230 VAC	45	90	44	1	258	224
RC9806.230	230 VAC	110/150	470	65	1	323	292

* Combined air flow

AC filter/fans

RC9802.024	24 VDC	6	18	33	1	119	92
RC9803.024	24 VDC	4.8	35	44	1	152	124
RC9805.024	24 VDC	35	90	44	1	206	224

KTF-31 series - Cabinet roof fan ④

(RAL7035)

IP54

KTF series cabinet-top ventilators deliver 500 - 942 m³/h of airflow through a slim 400 x 133 x 400 mm housing. KTF units clip onto enclosure tops via tool-free snap-in clamps and connect with a simple plug-in power lead.

- Certification: IEC 60529
- Installation: Innovative mounting clamps enable flexible snap-in of the filter fan
- IP rating: Without filter mat: **IP32**
With filter mat: **IP54**
- Simple installation and maintenance with easy plug-in electrical connection

KTF3139.230	230 VAC	58/75	570 / 620	59/61	1	400	258
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Accessories

WJ-1	holder	cabinet documents holder (<i>pockets</i>) with 3M adhesive tape						
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FU122.230



FU292.230



RC9804.230



KTF3139.230



JTS 011 NO



LK140-100W



Magnet mounting



IP20



LK026...M

JT series - Mechanical bimetal thermostats ⓘ

(used to control temperatures within enclosures)

• Compact dimensions - (H) 64 x (W) 33 x (D) 44 mm (DIN rail mountable)

type	contact range	description		
• Temperature range: -0 - 60°C				
JTO 011 NC	1 x NC	DIN rail mount panel thermostat	(blue knob)	
JTS 011 NO	1 x NO	DIN rail mount panel thermostat	(red knob)	
ZR 011	1 x NC+NO	DIN rail mount panel thermostat	(blue knob)	

LK140 series - Panel Heaters ⓘ

IP20

Ideal in enclosures where damage from condensation must be prevented or where the temperature may not fall below a minimum value. The aluminium profile heater body design has a chimney effect and distributes the heat evenly. The pressure clamp connectors save time and simplify installation.

• Operating voltage: 110 - 250 VAC/DC

• Heating element: PTC resistor, self-regulating with temperature limiting

• Heater body: Extruded aluminium profile, anodised

• Mounting: Clip for 35 mm DIN rail, EN 50022 - Vertical fitting

• Operating temperature: -45 °C to +70 °C

type	heating power	Inrush current (max)	description	dimensions (mm)		
				(H)	(W)	(D)
LK140-60W	60 W	3.5	DIN-mount panel heater	70	70	50
LK140-100W	100 W	4.5	DIN-mount panel heater	140	70	50
LK140-150W	150 W	9	DIN-mount panel heater	140	70	50

LKO26 series - Panel lamps ⓘ

IP20

Slimline design provides greater installation versatility and guarantee of safety.

• Connection: Push-in terminal / Mounting - Magnet (screw type on request)

• Power: 6 watt / LED 690 Lm, 120°, daylight, colour temperature 6500K

type	voltage (V)	description	dimensions (mm)		
			(H)	(W)	(D)
LKO26-AC.M	85 - 265 VAC	LED panel lamp	32	350	28
LKO26-DC.M	12 - 72 VDC	LED panel lamp	32	350	33

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