CMEB | Extendable DIN Rail Terminal Enclosure

Product Overview

The UK manufactured CMEB Extendable DIN Rail Terminal Enclosure features two removable side panels to offering accessible internal wiring. Unique extension pieces can be used to connect multiple bodies together, providing more poles and wiring options. Internal solder tags offer an effective way of connecting to PCBs or flying wires. Accommodates full size internal PCBs, with the extended version supporting horizontal or vertical PCB's or seperators between high and low power sides.



CMEB/1ST/KIT CMEB/1PC/KIT CMEB/1PG/KIT

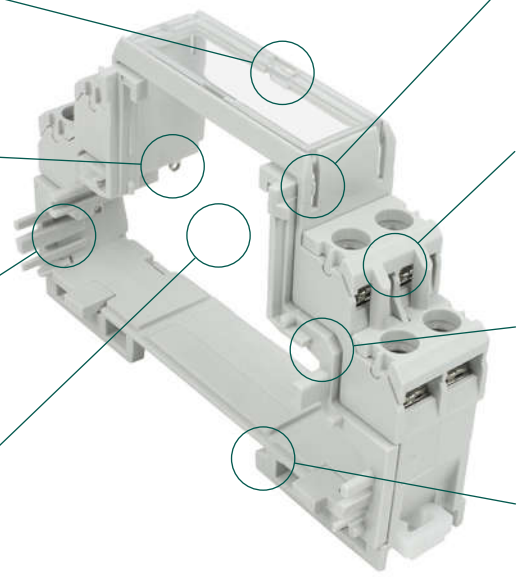
Key Features

Modular Design Options
Open Top body capable of interchangeable lids, whilst Solid top creates a pre enclosed housing.

Adjoining Solder Tags
Integrated solder tag terminals simplify the assembly of your internal electrical componentry.

Additional PCB positions
Extended vertical and horizontal positions can seperate low/high voltage and input/output wires.

Two Removable Side Panels
Side panels clip on and clip off for improved access to the internal space of the enclosure.



CMEB/1PC/E/KIT

Clip Together Design
Snap fitted parts remove the need for screws, streamlining the assembly process.

Pre-fitted Terminals
Eight 7mm saddle washer terminals, secured by M3 screws. Compliant to EN60999-1 terminal standards.

Extendable Enclosure
Specially designed Extension arms allow you to assemble an enclosure to your width requirements.

Dual Mounting Options
Fits on a 35mm top hat DIN Rail or can be mounted directly onto a surface.

PART NUMBERS (KITS)		
BODY TYPE	**PART NUMBER**	**KIT INCLUDES**
SOLID TOP	CMEB/1ST/KIT	1x Solid top body, 2x End panels, 2x Terminal screw covers, 1x black clip, 1x white clip
OPEN TOP CLEAR	CMEB/1PC/KIT	1x Open top body, 2x End panels, 2x Terminal screw covers, 1x Clear top, 1x black clip, 1x white clip
OPEN TOP GREY	CMEB/1PG/KIT	1x Open top body, 2x End panels, 2x Terminal screw covers, 1x Grey top, 1x black clip, 1x white clip
SOLID TOP EXTENSION*	CMEB/1ST/E/KIT	1x Solid top body, 2x Extension arms, 2x Terminal screw covers, 1x white clip
OPEN TOP CLEAR EXTENSION*	CMEB/1PC/E/KIT	1x Open top body, 2x Extension arms, 2x Terminal screw covers, 1x Clear top, 1x white clip
OPEN TOP GREY EXTENSION*	CMEB/1PG/E/KIT	1x Open top body, 2x Extension arms, 2x Terminal screw covers, 1x Grey top, 1x white clip

*Extension kits to be ordered alongside at least one standard housing e.g. For a 3 way housing please order 2 extension kits and 1 standard housing.

White clip required for surface mounting. Not essential for DIN Rail mounting.

Potential industries / applications

Din Rail Switch Enclosures, DIN Rail Input and Output devices, DIN Rail Smart Building device, DIN Rail Power meter, DIN Rail Building control, DIN Rail stairway switch, DIN Rail Home Automation Universal Transmitters, DIN Rail Voltage Monitoring Relay, DIN Rail Relay Timer Light Switch, DIN Rail Current Monitoring Relay, Isolated Universal Temperature DIN rail Transmitter, DIN Rail MeterBus level converters, DIN Rail Solid State Relay, DIN Rail Voltage Monitoring Relay, DIN Rail Solid State Relay

Industrial IoT, Home automation, smart city device, controllers, relays, switches, Transmitters, power meters.



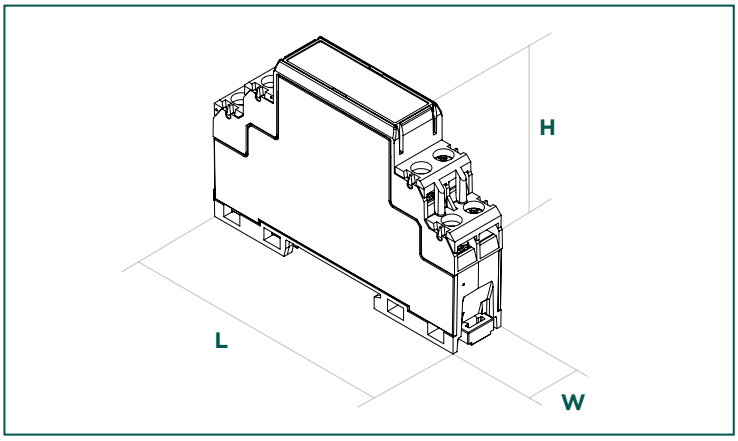
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Vers 2

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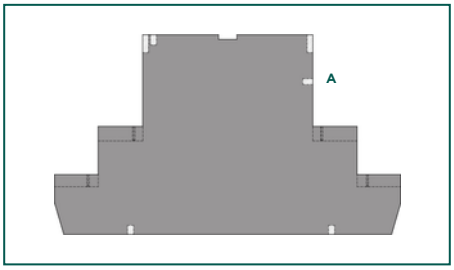
INDIVIDUAL SIZE DIMENSIONS		
EXTERNAL DIMENSIONS (LXWXH)	INTERNAL DIMENSIONS (LXWXH)	WALL THICKNESS
90mm x 17.86mm x 61.3mm	86mm x 42.4mm x 15.25mm	Enclosure - 1.09mm End Panels - 1.3mm



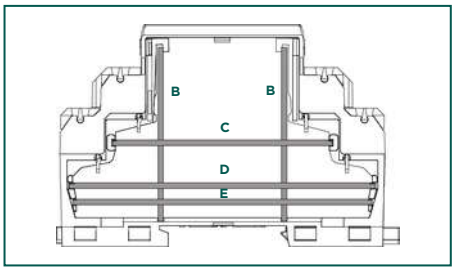
PCB positions

DIMENSIONS FOR EACH POSITION			
PCB MOUNTING POSITION			MAX PCB DIMENSIONS (LXW)
	A	Planar	See technical drawing
	B	Vertical	48mm x 14.7mm*
	C	Horizontal	60.7mm x 16.5mm*
	D	Horizontal	84.7mm x 16.5mm*
	E	Horizontal	83mm x 16.5mm*

Single enclosure



Extended enclosure





RANGE SPECIFICATION

MATERIALS	Enclosure		UL94-V0 Polycarbonate	
	End panels		UL94-V0 Polycarbonate	
	Extension bracket		UL94-V0 Polycarbonate	
	Screws / Saddle Washer		Steel bright nickle plated	
	Nuts		Steel BZP	
COLOURS	Grey		RAL7035	
COMPLIANCE	RoHS compliant			
ELECTRICAL RATING	8A/250V rated (EN 62208), 0.8mm thick steel & nickel-plated terminals (EN 60999-1)			
CONDUCTOR SIZE	8 Poles		Rigid/Solid - 2.5mm² Rigid/Stranded - 1.5mm² Flexible - 1.5mm²	
IP RATING	Enclosure		IP40	
	Terminals		IP20	
TEST RESULTS	**Standard**	**Test**	**Result**	**Test report**
	UL94	Flammability	V0	E353371
	IEC 60998-2-1	Resistance to ageing and humidity	PASS	56187*
	IEC 60998-2-1	GWT	850°C	56187*
	IEC 60998-2-1	Clearance and creepage	PASS	56187*
	IEC 60112	Tracking	PTI 175V	56187*
	DIN 43880	DIN Rail Standard	PASS	N/A
SCREW TORQUE	M3		0.65Nm	
PURCHASING INFORMATION	Country of origin		Great Britain (GB)	
	Commodity code		3926909790	
	Weight	CMEB/1ST/KIT	27.8g	
		CMEB/1P_ _/KIT	28.8g	
		CMEB/1ST/E/KIT	19.6g	
		CMEB/1P_ _/E/KIT	20.6g	
	Enclosure type		DIN Rail	

*Tested to

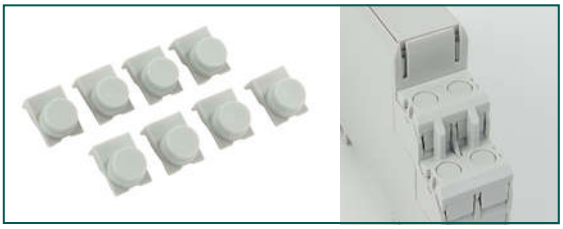
Customisation options

Digital printing, CNC customised.

ACCESSORIES

PART NUMBER	DESCRIPTION
CMEB/BL/8	DIN Rail Terminal Enclosure Terminal Blank Set of 8

The CMEB blanking kit provides a way of closing off certain terminals that are not required. This ensures that the installer does not wire up the enclosure incorrectly.



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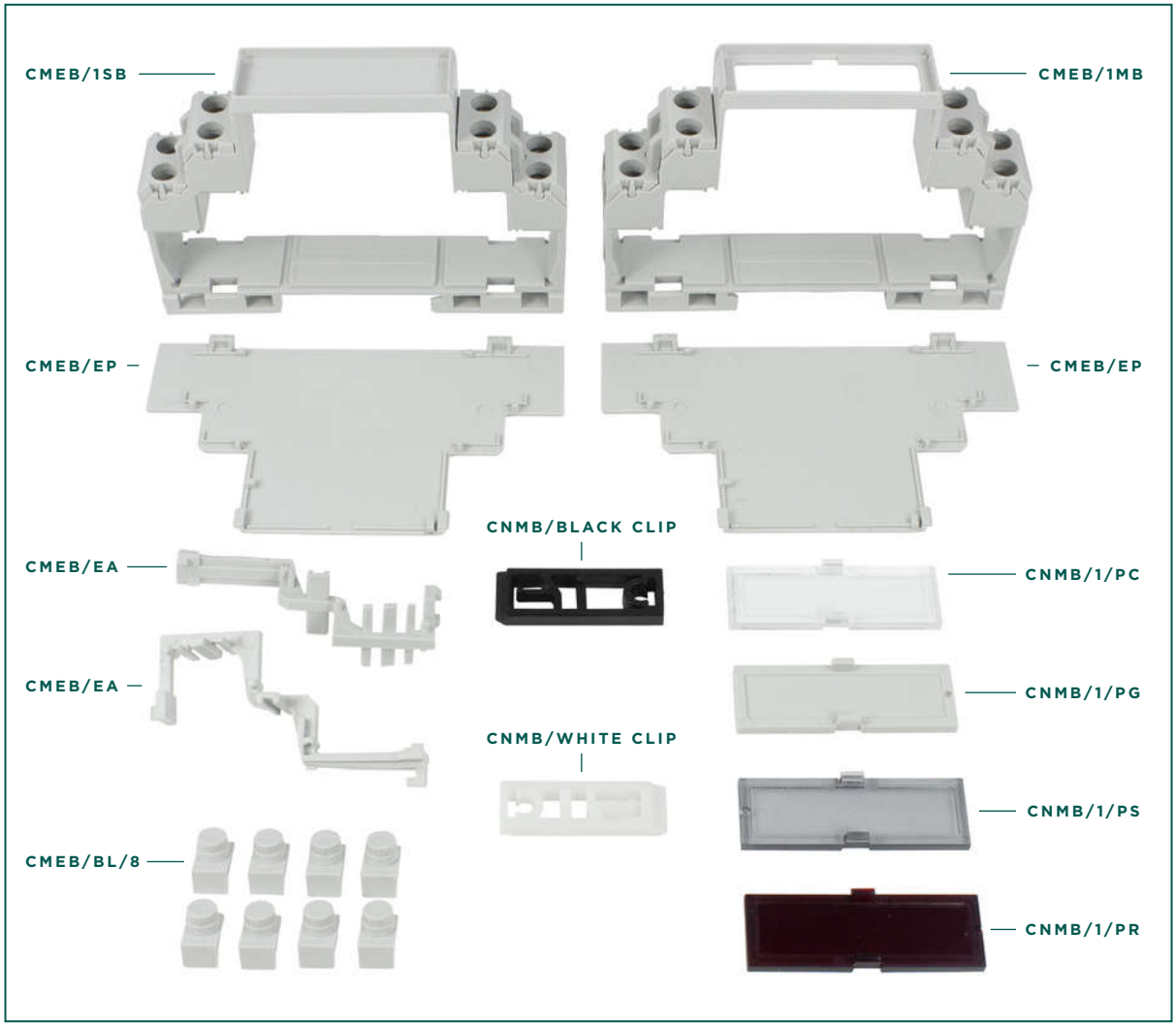
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INDIVIDUAL PART NUMBERS (SUPPLIED IN BULK)	
PART DESCRIPTION	**PART NUMBER**
CMEB Solid Top Body Assembly	CMEB/1SB
CMEB Open Top Body Assembly	CMEB/1MB
CMEB End Panel	CMEB/EP
CMEB Extension Arm	CMEB/EA
CMEB Terminal Blank	CMEB/BL
CNMB size 1 top clear	CNMB/1/PC
CNMB size 1 top grey	CNMB/1/PG
CNMB size 1 top smoked	CNMB/1/PS
CNMB size 1 top red	CNMB/1/PR
White Clip	CNMB/WHITE CLIP
Black Clip	CNMB/BLACK CLIP

Box quantites of 25 for CMEB/1SB and CMEB/1MB

To order a complete kit Select:
1x body assembly + 2x extension arms per extended body, 2x end panels per complete assembly, 1x white clip for each body, 1x black clip only per complete assembly.

White clip used for surface mounting only. If ordering exclusively for DIN Rail mounting, the white clip is not required.



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