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Enclosing innovations

MCE Enclosures
Product presentation

Modular Component Enclosures

MCE - Modular Component Enclosures offer easy-to-use and practical functionality, and are designed to house din rail mounted automation, control and switch gear components. MCE enclosures can be connected to each other with flange openings to build bigger panels. Cable entries are available in all sides.

They are spacious inside, available in many sizes and offer modular flexibility.

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MCE Enclosures
Features

- Available in PC and ABS
- IP 65 (PC)
- IK 08 (PC)
- Modular and elegant enclosure design – easy to extend
- Sizes fra 5 up to 42 modules, Other sizes on request
- Easy connection through flange openings
- Knock-out, flange sides and pipe entry
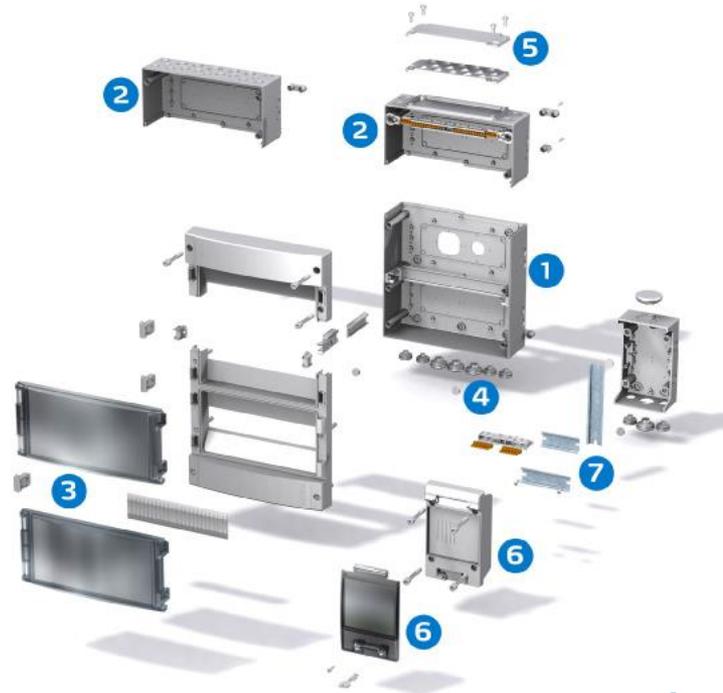- Spacious and easy to wire
- PE/N terminals and membranes included
- DIN-rail system with adjustable rail depth
- Seperate window for each row of installed components
- Designed to house automation, control and switch gear components

MCE Enclosures

Enclosure

1 1, 2 or 3 row enclosure base made from PC
   Metric cable openings on all 4 sides and in the enclosure base
2 Upper part of the enclosure made from PC, various versions with
   or without DIN rails
3 Front cover, in smoked grey or clear transparent, incl. TPE gasket

Accessories

4 Multi FEM, multi-cable membrane glands for
   structured wiring solutions
5 Knock-out plates, various versions
6 MCE enclosure 5/9
7 DIN rails for the mounting of machines

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MCE Enclosures
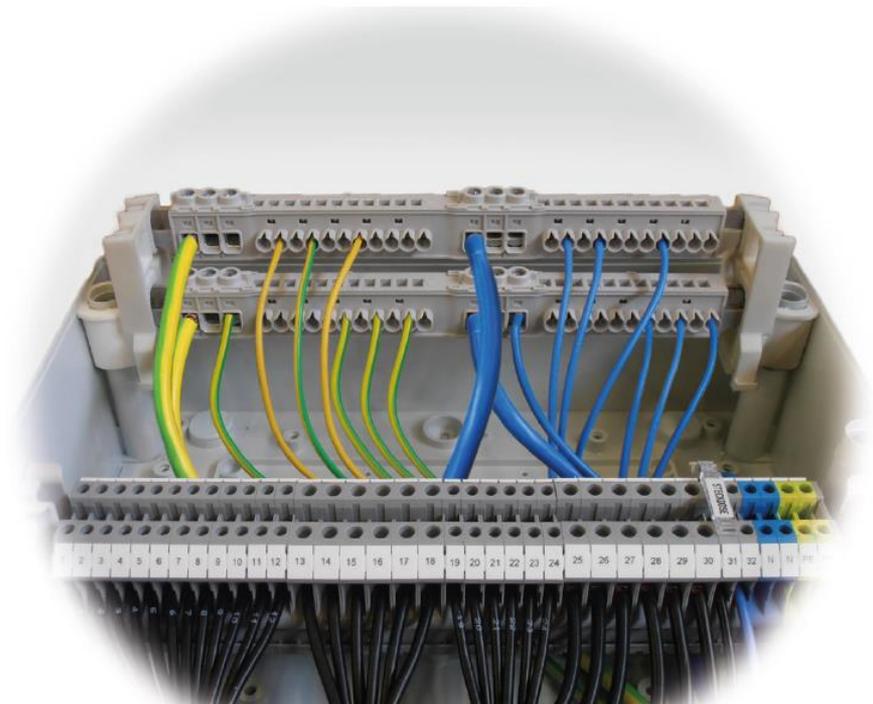
New plug-in PEN terminals in 14+ sizes

All 14+ sizes are fitted now with the new plug-in PE/N terminals.

Outgoing wires are clamped and kept firmly in the terminal without a screw. It makes wiring easy and quick and brings down the cost of installation.

Housing of the terminals is made from insulating material and its design is finger-proof – these features enhance safety and provide maximum user protection.

Single PEN-bar offers 3 x 16 mm² + 11 x 4 mm² for PE and the same configuration for N connections. In sizes 28 and 42 two bars are used to provide relevant wiring capacity.

3 x 16 mm² are screw terminals to ensure connection reliability.

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Technical information and approvals

MCE technical information

Property	Polycarbonate (PC)	ABS
Ingress Protection (EN 60529)	IP 65	IP54
Impact Resistance (EN 62262)	IK 08	IK07
Température Range Celsius	-40°. . .120°C	-40°. . .80°C
(short term) Fahrenheit	-40°. . .250°F	-40°. . .175°F
Température Range Celsius	-40°. . .80°C	-40°. . .60°C
(continuous) Fahrenheit	-40°. . .175°F	-40°. . .140°F
Electrical Insulation	Totally insulated ▣	Totally insulated ▣
Light Grey Parts Colour	RAL 7035 Industry Grey	RAL 7035 Industry Grey
Transparent Clear PC Cover	Smoked Grey	Smoked Grey
Cover Screws	RAL 7035	RAL 7035
Cover Screws	Polyamide (PA)	Polyamide (PA)
Gasket	TPE, Thermo Plastic Elastomer	TPE, Thermo Plastic Elastomer
Enclosure Flammability Rating	UL 746C 5V*	
Glow Wire Test (IEC 695-2-1) Self -extinguishing (PC)	960°C	
Non-toxicity	Halogen Free	Halogen Free
UV resistance	UL 508 720 hours in "Weatherometer"	
Chemical Resistance **	Good	Good

Data subject to change without notice.
**Consult separate raw material data for more detailed information

Confirmity to standards

USA Enclosures for Electrical Equipment
PC:UL Type 1; UL File E75645 Vol1 Sec 8*

Canada Industrial Control Equipment
Enclosures for Electrical Equipment/ULc*

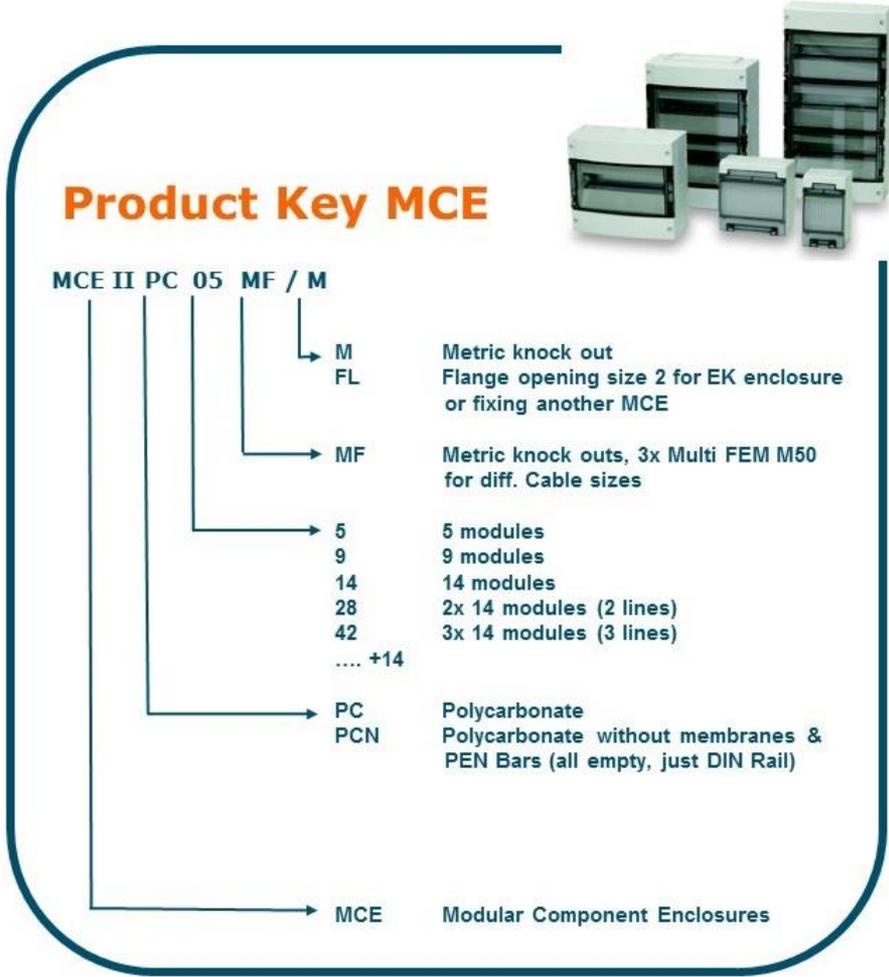**Europe** Empty enclosures for low-voltage switchgear and controlgear assemblies EN 62208:2003
Europe Safety of Information Technology Equipment EN 60950
RoHS directive 2002/95/EC

Russia GostR - Gost Russian certificate of conformity

*UL label on request

MCE Enclosures

Product Key MCE

MCE II PC 05 MF / M

M	Metric knock out
FL	Flange opening size 2 for EK enclosure or fixing another MCE
MF	Metric knock outs, 3x Multi FEM M50 for diff. Cable sizes
5	5 modules
9	9 modules
14	14 modules
28	2x 14 modules (2 lines)
42	3x 14 modules (3 lines)
.... +14	
PC	Polycarbonate
PCN	Polycarbonate without membranes & PEN Bars (all empty, just DIN Rail)
MCE	Modular Component Enclosures

MCE Enclosures
Typical applications

- Small power distribution boards – indor & outdoor

- Automation, switch and control gear

- PC ideal solution for outdoor applications

MCE Enclosures
Learn more:

- ## www.fibox.com
  - MCE products
  - Accessories

- Catalogues
  - Fibox Enclosure and Cabinet Overview:
  - Enclosure catalogue 5.0