



Mi 1684



- Circuit breaker box
- with FIXCONNECT® N- und PE terminal
- with 2x 12 modules and 2x 28 modules

ELECTRICAL PROPERTIES

Rated insulation voltage:

Rated insulation voltage	Voltage type
$U_i = 690\text{ V}$	a.c.
$U_i = 1000\text{ V}$	d.c.

Protection class:	II
Rated current (of the terminal):	$I_n = 75\text{ A}$
Number of possible N-potentials:	4
rated current of the terminal:	$I_n = 101\text{ A}$

CONNECTION DATA

Tightening torque of the terminal:	2 Nm
Number of clamping units per pole:	

Number of clamping units per pole	Connection type
24	Plug-in terminal connection
6	Screw connection

Terminal cross-section incoming:

Maximum number of conductors clamping units each	Conductor cross-section min.	Conductor cross-section max.	Conductor cross section	Conductor type	Conductor material
4	1.5 mm ²	2.5 mm ²	solid	round	Cu
1	1.5 mm ²	25 mm ²	flexible	round	Cu
3	4 mm ²	6 mm ²	solid	round	Cu
1	10 mm ²	10 mm ²	solid	round	Cu
1	16 mm ²	25 mm ²	stranded	round	Cu

Terminal cross-section outgoing cable:

Maximum number of conductors clamping units each	Conductor cross-section min.	Conductor cross-section max.	Conductor cross section	Conductor type	Conductor material
1	1.5 mm ²	4 mm ²	solid, flexible	round	Cu

Connection cross-section plug-in terminal connection:

Maximum number of conductors clamping units each	Conductor cross-section min.	Conductor cross-section max.	Conductor cross section	Conductor type	Conductor material
1	1.5 mm ²	4 mm ²	solid, flexible	round	Cu

Connection cross-section screw connection:

Maximum number of conductors clamping units each	Conductor cross-section min.	Conductor cross-section max.	Conductor cross section	Conductor type	Conductor material
4	1.5 mm ²	2.5 mm ²	solid	round	Cu
1	1.5 mm ²	25 mm ²	flexible	round	Cu
3	4 mm ²	6 mm ²	solid	round	Cu
1	10 mm ²	10 mm ²	solid	round	Cu
1	16 mm ²	25 mm ²	stranded	round	Cu

MECHANICAL PROPERTIES

With additional protection cover behind the lid

Type of lid fastening:	Hand closure
Width in modules:	28 modules, 12 modules
Number of rows:	3
Delivered accessories:	Blanking strips, labelling strips
Can be combined:	Yes
IP degree of protection:	IP65
Impact strength:	IK08
DIN rail spacing:	125 mm

AMBIENT CONDITIONS

Application area:	Indoor installation
Maximum ambient temperature 24 h:	35 °C
Ambient temperature:	-5 °C up to +40 °C
Relative humidity:	≤ 50 % at 40 °C, ≤ 100 % at 25 °C

MATERIAL PROPERTIES

Material:	Polycarbonate
Glow wire test according to IEC 60695-2-11:	960 °C
UV-beständig nach DIN EN 61439-1:	Yes
Halogen-free:	Yes
Silicone-free:	Yes

DIMENSIONS

Height:	450 mm
Width:	600 mm
Depth:	170 mm
Net weight:	7.856 kg

COLOURS

Colour of the lid:	Transparent
Bottom part colour:	Grey

CERTIFICATES

conforming to the standards:	IEC 61439-2
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SALES DATA

Product number:	20001319
EAN:	4012591121060
Pack unit:	1
Customs tariff number:	85371098
ETIM class:	DYNAMIC: EC000214 - Small distribution board
	ETIM-9.0: EC000214 - Small distribution board
	ETIM-8.0: EC000214 - Small distribution board
	ETIM-7.0: EC000214 - Small distribution board
	ETIM-6.0: EC000214 - Small distribution board
	ETIM-5.0: EC000214 - Small distribution board
	ETIM-4.0: EC000214 - Small distribution board

NOTE

with removable DIN rail rack and earth connection

Rated loading factors

Rated power dissipation in ENYGUIDE:

power dissipation capability Pde	Temperature difference
P _{de} = 2.6 W	1 K

DRAWINGS



