



KV 7109



- Small-type distribution board without terminal
- with FIXCONNECT® N- and PE terminal
- for installation of devices up to $I_n = 63\text{ A}$ for mounting on DIN rail, top hat profile 35 mm
- with 1x 9 modules (18 mm)

ELECTRICAL PROPERTIES

Rated voltage: $U_n = 400\text{ V}$

Rated insulation voltage:

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

Protection class: II
Rated current (of the terminal): $I_n = 101\text{ A}$
N separable: No

power dissipation capability according to
DIN EN 60670-24:

power dissipation capability P_{de}	Temperature difference
$P_{de} = 16\text{ W}$	30 K

CONNECTION DATA

Number of clamping units per pole:

Number of clamping units per pole	Connection type
8	Plug-in terminal connection
2	Screw connection

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

CABLE ENTRIES

Cable entries:

Number of cable entries	Type of cable entry	Size of the metric knockouts	Position of cable entry
4	metric knockouts	M20, M25	wall top+bottom
1	metric knockouts	M25, M32	wall top+bottom

MECHANICAL PROPERTIES

Type of cover:	Cover
Transparent cover:	Yes
Width in modules:	9 modules
Number of rows:	1
Delivered accessories:	Sealing plug, DIN rail(s), labelling strips, cable entry cover
IP degree of protection:	IP65
Cover cutouts:	Break out

AMBIENT CONDITIONS

During installation, the climatic effects on the installed equipment must be taken into account, for example high and low ambient temperatures and solar radiation. To reduce the formation of condensed water, see technical information: Formation of condensed water and retaliatory actions.

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:	Polystyrene
Glow wire test according to IEC 60695-2-11:	750 °C
UL 94:	V-2
Temperature resistance:	-25 °C up to +80 °C
Halogen-free:	Yes
Silicone-free:	Yes

DIMENSIONS

Height:	238 mm
Width:	200 mm
Depth:	111 mm
Net weight:	0.93 kg

CERTIFICATES

conforming to the standards:	EN 60670-1, DIN EN 60670-24
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SALES DATA

Product number:	6100415
EAN:	4012591624486
Pack unit:	1
Customs tariff number:	85381000
ETIM class:	DYNAMIC: 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

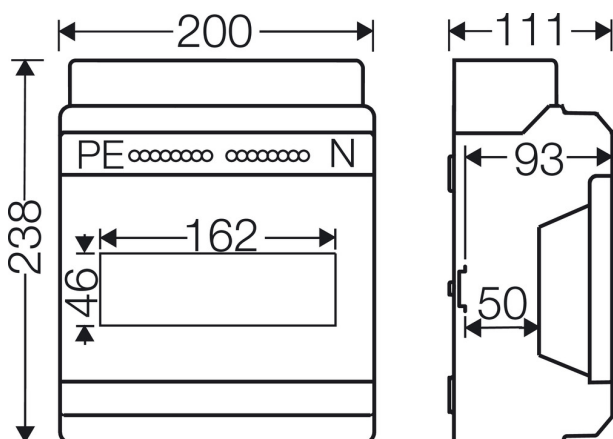
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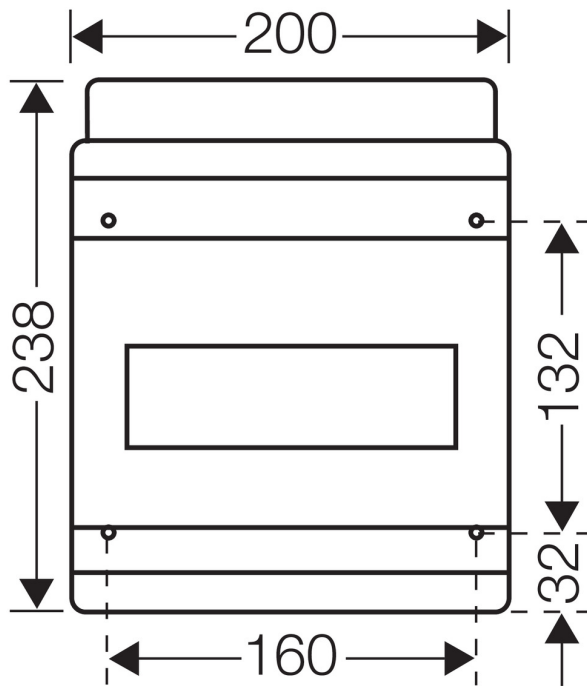
When using the sealing plugs supplied, the specified protection class is not changed.

TENDER TEXT

Small-type distribution boards to DIN EN 60670-24 and IEC 61439-3 for the installation of devices of DIN rail equipment up to 63 A to DIN 43880, protectively insulated (protection class II). PE and N terminals in FIXCONNECT plug-in terminal technology from 1.5 mm² to 4 mm² for solid and flexible copper conductors, and a clamping yoke terminal from 1.5 mm² to 25 mm² with wire protection and protection against self-loosening for solid, stranded and flexible copper conductors. Suitable for indoor areas and protected outdoor installation to DIN VDE 0100, Part 737. For ambient temperatures up to +40 °C and down to -5 °C, at relative humidity 50% at +40 °C or 100% at -25 °C. Material temperature resistance from -40 °C to +70 °C. Flammability in accordance with VDE 0471, Part 2 - glow-wire test 750 °C, UL Subject 94 V-2. Rated voltage: 400 V. Rated current of the neutral busbar: I = 75 A. Material: thermoplastic, halogen- and silicone-free. Colour: grey, RAL 7035 with transparent cover. Manufacturer: HENSEL KV. Degree of protection: IP 65 with metric knockouts. 9 modules per 18 mm. Dimensions HxWxD 238 x 200 x 111 mm.

DRAWINGS





4xM20/25

1xM25/32

4xM20/25

1xM25/32