

Select your language

- German
- English
- Spanish
- French
- Dutch
- Italian
- Polish
- Czech
- Russian
- Norwegian Bokmål

Worldwide English



IKA-1/18-OT - IKA standard distribution board, IP65 without clamps



174209 IKA-1/18-OT

[Overview](#) [Specifications](#) [Resources](#)



174209 IKA-1/18-OT

IKA standard distribution board, IP65 without clamps

Alternate Catalog No.

IKA-1/18-OT

EL-Nummer (Norway)

1702943

IKA distribution board for damp locations RAL7035, without neutral and protective conductor terminal, foamed-in-place gasket, applied using CNC, for IP65 degree of protection as per IEC/EN 62208, 18 space units, 1-row, approved for building service distribution boards in accordance with IEC/EN 61439-3 VDE 0660-600-3, integrated module compensation system designed to accommodate various device widths, metric knockouts with centering point, enclosure made of ABS and door made of polycarbonates, for installing switching and protective devices, in accordance with dimension standard DIN 43 880 with an installation depth of 70 mm or 85 mm, AC 1000 V, DC 1500 V, RoHS-compliant, consisting of a plastic base with a DIN-rail made of galvanized sheet steel, DIN-rail adjustable in height in 2 positions, direct mounting wall mounting holes, knockout for metric cable entries on top and bottom, side knockouts for connection element for connecting two or more enclosures next to each other, top with 46-mm device opening, transparent door, flush with front, can be fitted on the right or left, door handing can be easily changed on-site without having to remove the enclosure top., enclosure top with sealable quick-release fasteners, door lockable with accessories LOCK-KIT-IKA, door can be sealed, including inscription labels.



- [Delivery program](#)
- [Technical data](#)
- [Design verification as per IEC/EN 61439](#)
- [Technical data ETIM 7.0](#)
- [Dimensions](#)

Delivery program

Basic function
Basic device
Product function
Installation distribution boards
Product range
IKA standard DBO
Design
Surface mounted
Installation site
Indoor
Type of installation
Surface mounting
Door/Flap
Transparent

Degree of Protection
IP65
Colour
Grey
Module rack
Single-rail
Shroud for protection against accidental contact
Plastic
Rows [Count]
1
Module units per row
18
Description
IP65
Protection Class II
Plastic enclosure gray (RAL 7035)
Cable entries
Metric cable entries on top and bottom, side, back plate
PE and N terminals design
Without
Equipment supplied
Basic device
Device support rails
Locking screws can be sealed
Sealing caps
Current circuit designation

Technical data

General
Standards
EN 62208, IEC/EN 60670-24
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council)
conform
Ambient temperature
-25 - +40 °C
Degree of Protection
IP65
Protection class
II (totally insulated)
Rated operational voltage [Ue]
415 V AC
Rated frequency [f]
50 Hz
Insulation voltageAC
1000 V AC
Insulation voltageDC
1500 V DC
Material characteristics
Material
ABS (plastic)
Colour
Gray (RAL 7035)
Material properties
MechanicalImpact resistance
IK08

Design verification as per IEC/EN 61439

Technical data for design verification
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890Individual enclosure for wall mounting [P_v]
27 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890Individual enclosure for wall mounting [P_v]
54 W
IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures

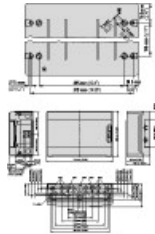
Meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat
 Meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
 650 °C; meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation
 Not relevant to indoor installations.
 10.2 Strength of materials and parts 10.2.5 Lifting
 Does not apply to enclosures without lifting aids.
 10.2 Strength of materials and parts 10.2.6 Mechanical impact
 IK08
 10.2 Strength of materials and parts 10.2.7 Inscriptions
 Meets the product standard's requirements.
 10.3 Degree of protection of ASSEMBLIES
 IP65
 10.4 Clearances and creepage distances
 Is the panel builder's responsibility.
 10.5 Protection against electric shock
 Protection class 2, therefore not applicable.
 10.6 Incorporation of switching devices and components
 Is the panel builder's responsibility.
 10.7 Internal electrical circuits and connections
 Is the panel builder's responsibility.
 10.8 Connections for external conductors
 Is the panel builder's responsibility.
 10.9 Insulation properties 10.9.2 Power-frequency electric strength
 $U_i = 1000 \text{ V AC}$
 10.9 Insulation properties 10.9.3 Impulse withstand voltage
 3.3 kV
 10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material
 Meets the product standard's requirements.
 10.10 Temperature rise
 The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
 10.11 Short-circuit rating
 Is the panel builder's responsibility.
 10.12 Electromagnetic compatibility
 Is the panel builder's responsibility.
 10.13 Mechanical function
 Meets the product standard's requirements.

Technical data ETIM 7.0

Distribution boards (EG000023) / Small distribution board (EC000214)
 Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])
 Mounting method
 Surface mounted (plaster)
 Number of rows
 1
 Width in number of modular spacings
 18
 Type of cover
 Door
 Cover model
 With notch
 Transparent cover/door
 Yes
 Material housing
 Plastic
 Height
 286 mm
 Width
 418 mm
 Depth
 145 mm
 Built-in depth
 70 mm

Internal depth
60 mm
DIN-rail
Yes
With mounting plate
No
Extension possible
Yes
EMC-version
No
Colour
Grey
RAL-number
7035
Degree of protection (IP)
IP65
With lock
No
Type of closure
Other

Dimensions



Additional product information

- [Product overview \(Web\)](#)
(Web)

Product photo



vt24914

Photo

AP distribution board IP65 1-row 18 space units



vt26014

Photo

IKA industrial UV-stable distribution board, IP65

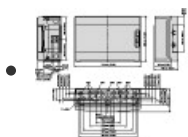


vt26914

Photo

IKA industrial UV-stable distribution board, IP65

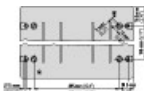
Dimensions single product



4500DIM-18

Line drawing

IKA enclosure

- [4500DIM-2](#)
Line drawing
IKA enclosure
- 
[4500DIM-9](#)
Line drawing
IKA enclosure

Instruction Leaflet

- [IL014003Z](#)
Asset
(PDF, Language independent)

Declaration of Conformity

EU


- [DA-DC-03_xComfort_IKA_251017](#)
Asset
(PDF)

Download-Center

- [Download-Center \(this item\)](#)
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)
Eaton EMEA Download-Center

 [Generate data sheet in PDF format](#)

 [Generate data sheet in Excel format](#)

 [Write a comment](#)

[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)

© 2021 by Eaton Industries GmbH