

Part no. IKA-1/12-OT Article no. 174206 Catalog No. IKA-1/12-OT



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		12
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 conform Council) Ambient temperature °C -25 - +40 IP65 Degree of Protection Protection class II (totally insulated) Rated operational voltage Ue V AC 415 50 Rated frequency f Hz **Material characteristics** Material ABS (plastic) Colour Gray (RAL 7035) **Material properties** Mechanical Impact 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, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	C0	20
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	CO	40
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.

102.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effectsMeets the product standard's requirements.102.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects650°C; meets the product standard's requirements.10.2.4 Resistance to ultra-violet (UV) radiationNot relevant to indoor installations.10.2.5 LiftingDes not apply to enclosures without lifting aids.10.2.6 Mechanical impactK0810.2.7 InscriptionsK0810.3 Degree of protection of ASSEMBLIESIs the product standard's requirements.10.4 Clearances and creepage distancesF06510.6 Incorporation of switching devices and componentsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9 Insulation propertiesIs the panel builder's responsibility.10.9 Insulation properties<		
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10.2.5 LiftingDoes not apply to enclosures without lifting aids.10.2.6 Mechanical impactK0810.2.7 InscriptionsK0810.3 Degree of protection of ASSEMBLIESFP510.4 Clearances and creepage distancesFV6510.5 Protection against electric shockFV6510.6 Incorporation of switching devices and componentsFV6510.7 Internal electrical circuits and connectionsFV6510.8 Connections for external conductorsFV6510.9 Insulation propertiesIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthFV6510.9.3 Inpulse withstand voltageFV65		650 °C; meets the product standard's requirements.
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	10.9.2 Power-frequency electric strength	U _i = 1000 V AC
	10.9.3 Impulse withstand voltage	3.3 kV
10.9.4 Testing of enclosures made of insulating material Meets the product standard's requirements.	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.	10.10 Temperature rise	
10.11 Short-circuit rating Is the panel builder's responsibility.	10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility 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.	10.13 Mechanical function	Meets the product standard's requirements.

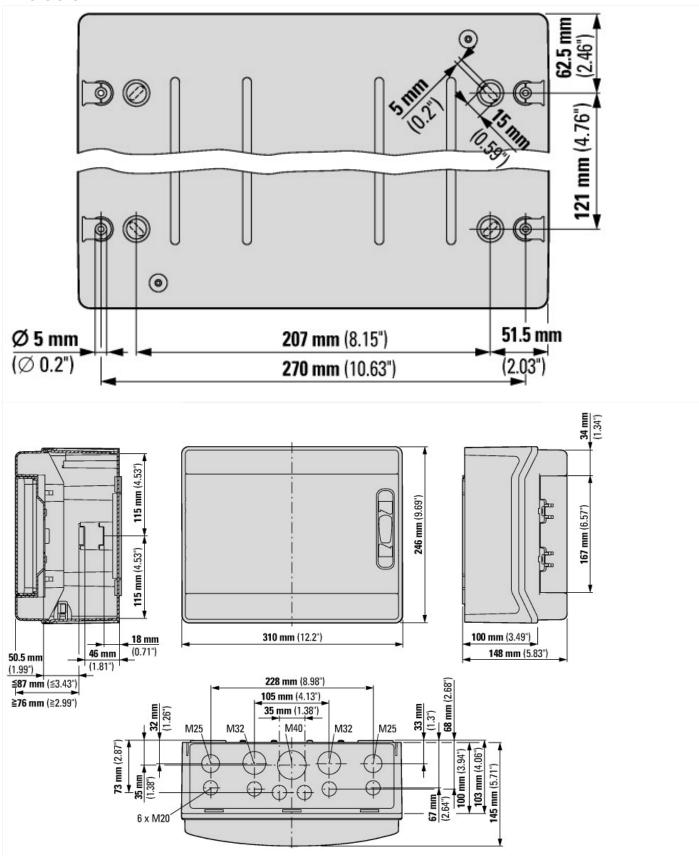
Technical data ETIM 6.0

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@ss8.1-27-14-24-09 [ACN387008])

Mounting method		Surface mounting
Number of rows		1
Width in number of modular spacings		12
Type of cover		Door
Cover model		With notch
Transparent cover/door		Yes
Material housing		Plastic
Height	mm	246
Width	mm	310
Depth	mm	145
Built-in depth	mm	70
Internal depth	mm	60
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

Dimensions



Additional product information (links)

IL014003Z IKA compact distribution board

IL014003Z IKA compact distribution board	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL014003ZU2015_03.pdf
Product overview (Web)	http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm