

IKA standard distribution board, IP65 without clamps

Powering Business Worldwide

Part no. IKA-1/12-0T Catalog No. 174206 Eaton Catalog No. IKA-1/12-0T

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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 Council)			conform
Ambient temperature		°C	-25 - +40
Degree of Protection			IP65
Protection class			II (totally insulated)
Rated operational voltage	Ue	V AC	415
Rated frequency	f	Hz	50
Material characteristics			
Material			ABS (plastic)

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}	CO	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.

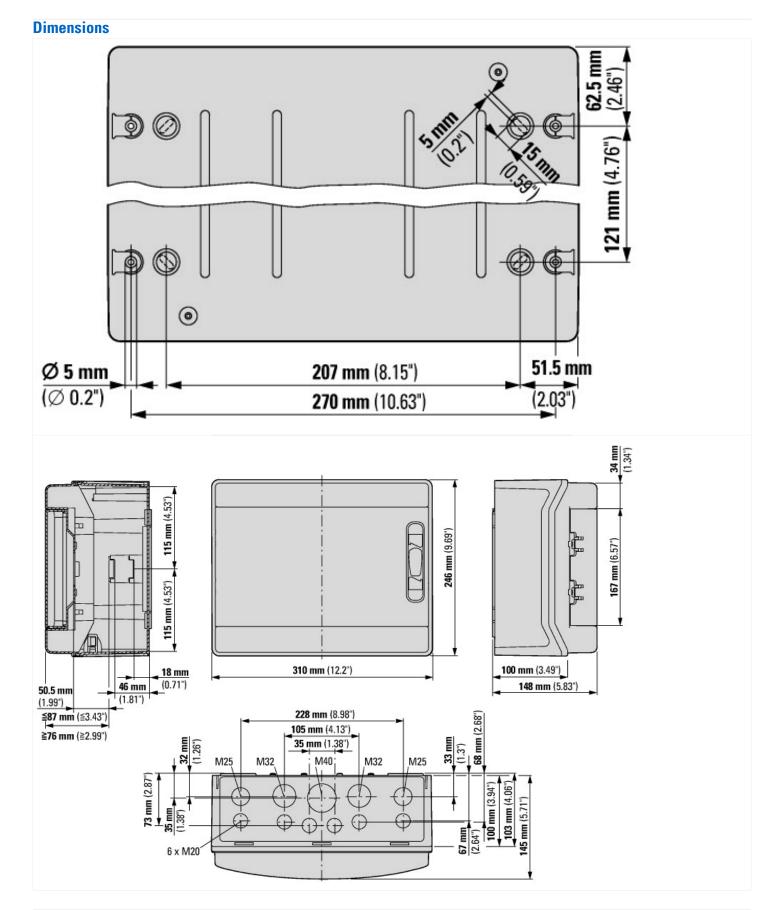
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	650 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Not relevant to indoor installations.
10.2.5 Lifting	Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact	IK08
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 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.
10.10 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 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])

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 Image: Plastic Height Mm 246 Width not house mm 310 Depth mm 310 Built-in depth mm 70 Internal depth mm 60 With mounting plate Yes Extension possible Yes Extension possible Yes Extension possible Yes Extension Yes Colour Yes SAL-number Yes Depended of protection (IP) Yes	(ecl@ss8.1-27-14-24-09 [ACN387008])		
Width in number of modular spacings 12 Type of cover Door Cover model With notch Transparent cover/door Yes Material housing Image: Plastic Height Min 246 Width mm 310 Depth mm 145 Built-in depth mm 70 Internal depth mm 60 With mounting plate Yes With mounting plate Yes Excession possible Yes EMC-version No Colour Grey RAL-number 7035 Description (IP) 1965	Mounting method		Surface mounting
Expect cover Door Cover model With notch Transparent cover/door Yes Material housing Image: Plastic Height Mm 246 Width mm 310 Depth mm 70 Internal depth mm 60 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	Number of rows		1
Cover model With notch Transparent cover/door Yes Material housing mm 246 Height mm 310 Width mm 310 Depth mm 70 Internal depth mm 60 Internal depth mm 60 With mounting plate No Yes Extension possible Yes No EMC-version No Grey RAL-number 7035 Test Degree of protection (IP) IP65 Test	Width in number of modular spacings		12
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) 1P65	Type of cover		Door
Material housing Plastic Height 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	Cover model Cover model		With notch
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	Transparent cover/door		Yes
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	Material housing		Plastic
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	Height	mm	246
Built-in depth mm 70 Internal depth mm 60 DIN-rail Yes With mounting plate No Extension possible Yes EMC-version Yes Colour No RAL-number 7035 Degree of protection (IP) IP65	Width	mm	310
Internal depth mm 60 DIN-rail Yes With mounting plate No Extension possible Yes EMC-version No Colour No RAL-number Grey Degree of protection (IP) 1P65	Depth	mm	145
DIN-rail Yes With mounting plate No Extension possible Yes EMC-version No Colour Grey RAL-number 7035 Degree of protection (IP) IP65	Built-in depth	mm	70
With mounting plateNoExtension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65	Internal depth	mm	60
Extension possible EMC-version Colour RAL-number Degree of protection (IP) Yes No Grey Grey 1035 1P65	DIN-rail		Yes
EMC-version No Colour Grey RAL-number 7035 Degree of protection (IP) IP65	With mounting plate		No
Colour Grey RAL-number 7035 Degree of protection (IP) IP65	Extension possible		Yes
RAL-number 7035 Degree of protection (IP) 1P65	EMC-version		No
Degree of protection (IP)	Colour		Grey
	RAL-number		7035
With lock No	Degree of protection (IP)		IP65
	With lock		No



Additional product information (links)

ILU14003Z	IKA COI	npact o	iistributio	on 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