

IKA professional distribution board, IP65 + clamps



Part no. IKA-1/12-ST Article no. 174197 Catalog No. IKA-1/12-ST

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Basic function			Basic device
Product function			Installation distribution boards
Product range			IKA professional 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			Screw terminals
PE and N terminals	Number x cross- sectional area	mm ²	PE: 6 x (2.5 - 6) + 6 x (4 - 10) + 1 x (10 - 25) + 1 x (16 - 35) N: 6 x (2.5 - 6) + 6 x (4 - 10) + 1 x (10 - 25) + 1 x (16 - 35)
Equipment supplied			Basic device Device support rails Neutral-/protective conductor terminal Locking screws can be sealed Sealing caps Current circuit designation Reserve section cover 6 space units

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 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}	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			

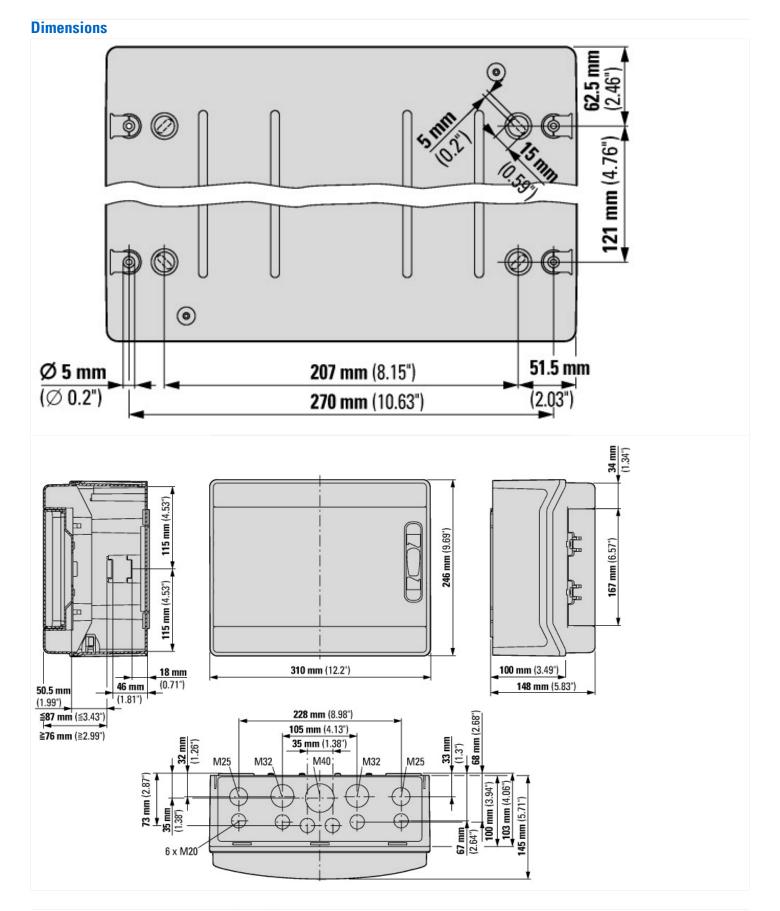
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10.2 Strength of materials and parts	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of 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 w 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 900 Cover model With notch Transparent cover/door 1 Material housing 1 Height mm 24 Width mm 30 Depth mm 145 Built-in depth mm 70 Internal depth mm 70 With mounting plate mm 80 With mounting plate mo 70 Extension possible mo 70 EMC-version mo 70 Colour mo 70 RAL-number pe 70 Degree of protection (IP) No	, and a second s			
Width in number of modular spacings 12 Type of cover boor Cover model With notch Transparent cover/door yes Material housing plastic Height m 246 Width m 310 Depth m 15 Built-in depth m 16 Built-in depth m 16 Built-munting plate m 16 With mounting plate m 16 Extension possible m 17 EMC-version m 17 Colour m 17 RAL-number m 17 Degree of protection (IP) m 17 Material housing m 17 4 m 17 5 m 17 6 17 18 7 18 18 8 17 19 9 17 19 1	Mounting method			Surface mounting
Type of cover Door Cover model With notch Transparent cover/door Yes Material housing Image: Plastic Height Mere Machamate Marchamate Material Housing Mere Material Material Housing Width mm 246 Width mm 145 Built-in depth mm 0 Internal depth mm 60 DIN-rail Yes With mounting plate No Extension possible Fore No EMC-version No Grey Colour Grey 7035 RAL-number 7035 1P65	Number of rows			1
Cover model Keth notch Transparent cover/door Yes Material housing Flastic 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 No RAL-number 7035 Degree of protection (IP) Fl65	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 RAL-number Grey RAL-number 7035 Degree of protection (IP) 1P65	Type of cover			Door
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 Yes Extension possible Yes Yes EMC-version No Grey RAL-number 7035 Test Degree of protection (IP) 1P65 Pl65	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 Yes Extension possible Yes Yes EMC-version No No Colour Grey 7035 RAL-number 7035 7035 Degree of protection (IP) 1965	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) 1965	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	1	mm	246
Built-in depth Internal depth Intern	Width	1	mm	310
Internal depth mm 60 DIN-rail Yes With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) mm 60 No Ves No No Occord Grey RAL-number Degree of protection (IP)	Depth	1	mm	145
DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) Yes Yes No Grey 7035 P65	Built-in depth	1	mm	70
With mounting plateNoExtension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65	Internal depth	1	mm	60
Extension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65	DIN-rail			Yes
EMC-versionNoColourGreyRAL-number7035Degree 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) IP65	EMC-version			No
Degree of protection (IP)	Colour			Grey
	RAL-number			7035
With lack No.	Degree of protection (IP)			IP65
110	With lock			No



Additional product information (links)

1LU140032 IKA COMPACI UISHIDUHUN DOMU	
II 0140037 IKA compact distribution board	ftn://ftn moeller net/DOCLIMENTAT

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