

IKA professional distribution board, IP65 + clamps

Powering Business Worldwide*

Part no. IKA-2/24-ST Article no. 174198 Catalog No. IKA-2/24-ST

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Dontory program			
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			Rail-frame
Shroud for protection against accidental contact			Plastic
Rows	Count		2
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: 8 x (2.5 - 6) + 8 x (4 - 10) + 1 x (10 - 25) + 1 x (16 - 35) N: 8 x (2.5 - 6) + 8 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			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	30
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			

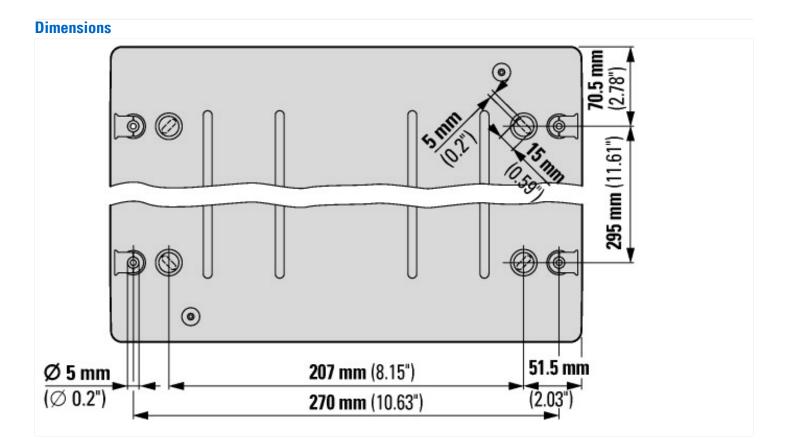
Individual enclosure for wall mounting	P_{V}	CO	59
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
$10.2.3.3\mbox{Verification}$ 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.

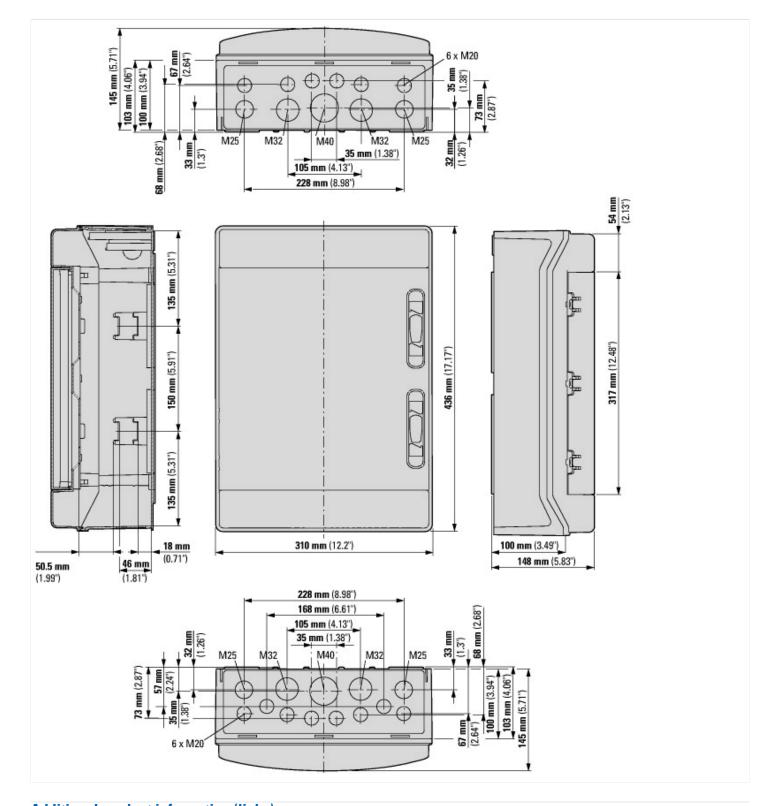
Technical data ETIM 6.0

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])

Height mm 436 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 No EMC-version No Gey RAL-number 7035 Fee Degree of protection (IP) IP65	(ecl@ss8.1-27-14-24-09 [ACN387008])		
Width in number of modular spacingsHelp of cover1212Cover modelImage: Property of Cover Michael Mich	Mounting method		Surface mounting
Type of cover Door Cover model With notch Transparent cover/door Yes Material housing Plastic Height 366 Width 310 Depth mm 312 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) 1865	Number of rows		2
Cover model With notch Transparent cover/door Yes Material housing Plastic Height 36 Width 10 Depth mm 310 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) 1665	Width in number of modular spacings		12
Transparent cover/door Yes Material housing Plastic Height mm 436 Width mm 310 Depth mm 145 Built-in depth mm 70 Internal depth mm 60 DIN-rail Yes With mounting plate Yes Extension possible Yes EMC-version No Colour Grey RAL-number 7035 Degree of protection (IP) 1P65	Type of cover		Door
Material housing Plastic Height 436 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 Tous Degree of protection (IP) IP65	Cover model		With notch
Height mm 436 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 No EMC-version No Gey RAL-number 7035 Fee 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) 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	mm	436
Built-in depth Internal depth DIN-rail With mounting plate EMC-version Colour RAL-number Degree of protection (IP) mm 70 version Nm 60 ves ves ves ves No ves No Gesey Roe Gerey 7035	Width	mm	310
Internal depth DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) mm 60 No Yes No Roc Ges Ges Ges Ges Ges IP65	Depth	mm	145
DIN-rail With mounting plate No Extension possible EMC-version Colour RAL-number Degree of protection (IP) Yes No Ges Ges Ges Grey RAL-number	Built-in depth	mm	70
With mounting plate No Extension possible Yes EMC-version No Colour Grey RAL-number 7035 Degree of protection (IP) No No No RAL-number 7035	Internal depth	mm	60
Extension possible EMC-version Colour RAL-number Degree of protection (IP) Yes No Grey 7035 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 lock No	Degree of protection (IP)		IP65
	With lock		No





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