# **DATASHEET - IKA-1/12-0T**



#### IKA standard distribution board, IP65 without clamps



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

No.

EL-Nummer 0001702940

(Norway)

#### **Delivery program**

Donto, 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**

Impact resistance

### 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			

# 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 60890 $$			
Individual enclosure for wall mounting	$P_{V}$	W	20
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 $$			
Individual enclosure for wall mounting	$P_{V}$	W	40
IEC/EN 61439 design verification			

IK08

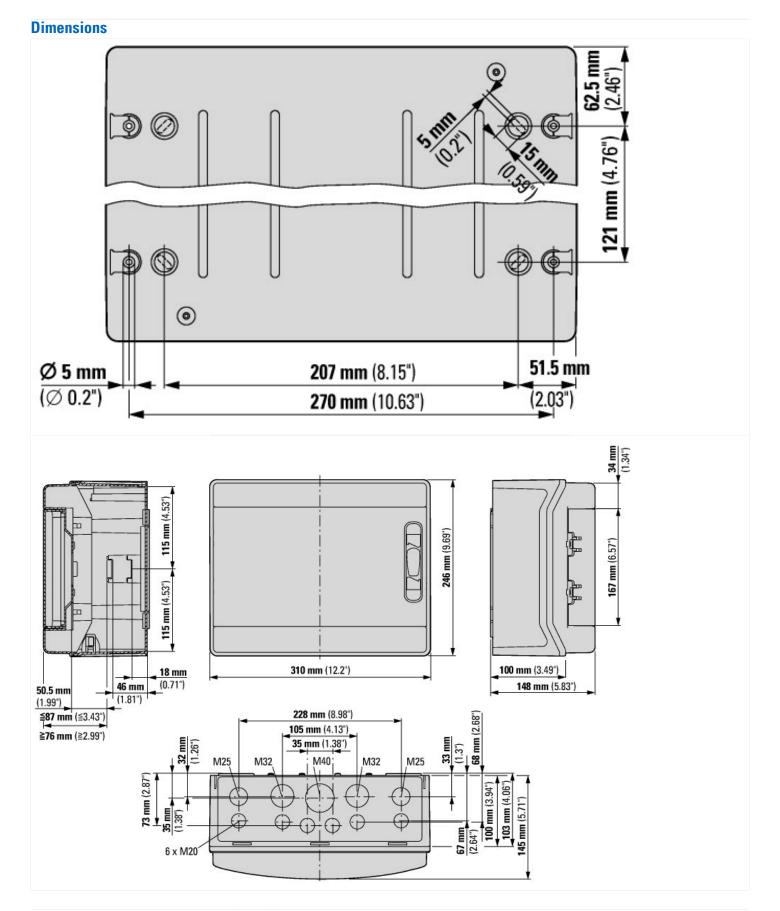
1000: 11 (	
10.2 Strength of materials and parts	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets 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 <sub>i</sub> = 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.
0.10 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 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])

Number of rowsHead of the course of modular spacings1Type of coverJoorCover modelYesYesTransparent cover/doorJoorPasticMaterial housingJoorPasticHeightJoorYesWith not housingJoorJoorDepthJoorJoorWith HousingJoorJoorDepthJoorJoorBuilt-in depthJoorJoorInternal depthJoorJoorWith mounting plateJoorJoorExtension possibleJoorJoorExtension possibleJoorJoorEMC-versionJoorJoorGolourJoorJoorRAL-numberJoorJoorDegree of protection (IP)JoorJoorWith lockJoorJoorWith lockJoorJoorWith lockJoor<			
Width in number of modular spacings         12           Type of cover         Door           Cover model         With notch           Transparent cover/door         Yes           Material housing         Type of cover           Height         mm         24           Width in dumber of modular spacings         mm         34           Height and the width of the properties	Mounting method		Surface mounted (plaster)
Type of cover     boor       Cover model     by thin toch       Transparent cover/door     by se       Material housing     lastic       Height     by a de       Width     m     30       Depth     m     30       Built-in depth     m     46       Built-in depth     m     70       Internal depth     m     90       With mounting plate     m     90       Extension possible     m     90       Edwversion     m     90       Colour     m     90       RAI-number     m     90       By Geseed protection (IP)     m     90       With lock     m     90       By Geseed     m     90       By Geseed     90     90       By	Number of rows		1
Cover modelWith notchTransparent cover/doorYesMaterial housingPlasticHeight246Width310Depthmm310Built-in depthmm70Internal depthmm60DIN-railYesWith mounting plateNoYesExtension possibleYesNoEMC-versionYesNoColourGreyGreyRAL-numberYes7035Degree of protection (IP)He5He5With lockYesNo	Width in number of modular spacings		12
Transparent cover/door         Yes           Material housing         Plastic           Height         246           Width         310           Depth         mm         45           Built-in depth         mm         70           Internal depth         mm         60           Vibrith mounting plate         Yes           Extension possible         Yes           EMC-version         Yes           Colour         Forey           RAL-number         7035           Degree of protection (IP)         7035           With lock         1P65           Wood         2P65           Wood         2P65           Wood         2P65           Wood         2P65           Wood	Type of cover		Door
Material housing         Italic         Plastic           Height         246           Width         310           Depth         45           Built-in depth         70           Internal depth         70           With mounting plate         70           Extension possible         70           Extension possible         70           EMC-version         70           Colour         70           RAL-number         700           Degree of protection (IP)         700           With lock         700           Yes         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700           100         700	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         Yes         Yes           Extension possible         Yes         Yes           EMC-version         Yes         Yes           Colour         No         Grey           RAL-number         7035         Yes           Degree of protection (IP)         P65         Yes           With lock         Yes         Yes	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         Yes           Colour         No           RAL-number         Grey           Pegree of protection (IP)         1965           With lock         No	Material housing		Plastic
Depthmm145Built-in depthmm70Internal depthmm60DIN-railYesWith mounting plateImmNoExtension possibleYesEMC-versionYesColourImmNoRAL-numberGreyRAL-numberYes7035Degree of protection (IP)Internal depthInternal depthWith lockInternal depthInternal depth	Height	mm	246
Built-in depth Internal depth Intern	Width	mm	310
Internal depth DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock  Mm 60  Ves Ves Ves Voo Voo Voo Voo Voo Voo Voo Voo Voo Vo	Depth	mm	145
DIN-rail DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock  Piss  Yes  No  Grey Grey Grey Degree FOS  No  No  No  No  No  No  No  No  No  N	Built-in depth	mm	70
With mounting plateNoExtension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65With lockNo	Internal depth	mm	60
Extension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65With lockNo	DIN-rail		Yes
EMC-versionNoColourGreyRAL-number7035Degree of protection (IP)IP65With lockNo	With mounting plate		No
ColourGreyRAL-number7035Degree of protection (IP)IP65With lockNo	Extension possible		Yes
RAL-number       7035         Degree of protection (IP)       IP65         With lock       No	EMC-version		No
Degree of protection (IP) IP65 With lock No	Colour		Grey
With lock No	RAL-number		7035
	Degree of protection (IP)		IP65
Type of closure Other	With lock		No
	Type of closure		Other



# **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