DATASHEET - IKA-1/8-0T



IKA standard distribution board, IP65 without clamps



Part no.	IKA-1/8-0T
Catalog No.	174205
Alternate Catalog	IKA-1/8-0T
No.	
EL-Nummer	0001702939
(Norway)	

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		8
Description		IP65 Protection Class II Plastic enclosure gray (RAL 7035)
Cable entries		Metric cable entries on top and bottom, 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

		EN 62208, IEC/EN 60670-24
		conform
	°C	-25 - +40
		IP65
		II (totally insulated)
Ue	V AC	415
f	Hz	50
		ABS (plastic)
		Gray (RAL 7035)
		IK08
	Ue f	Ue V AC

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	14
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	29
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.

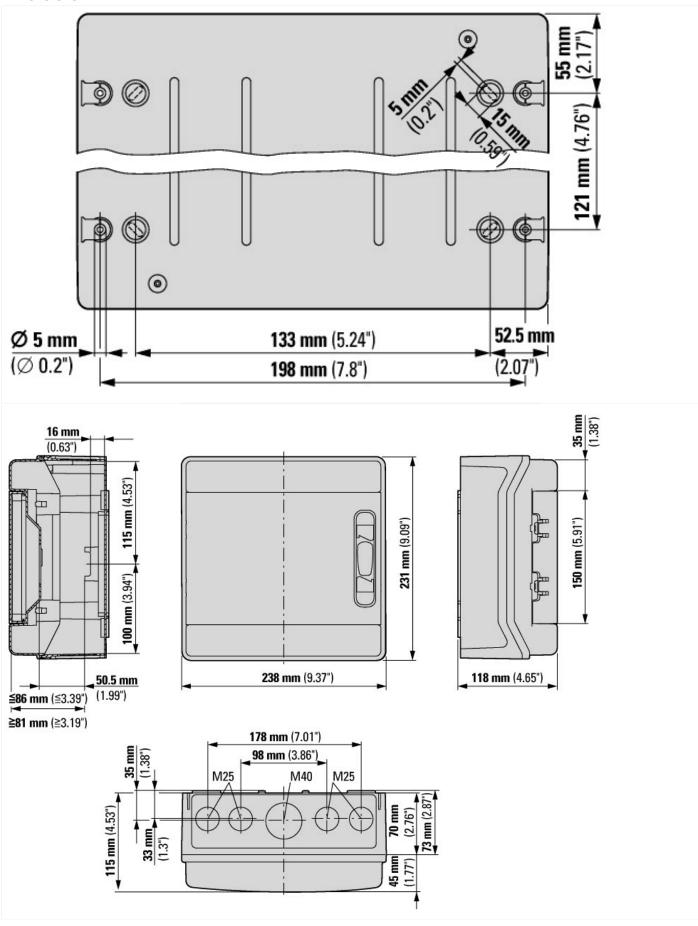
Technical data ETIM 7.0

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 modular spacings Image: space spac	(cci@3310.0.1-2)-14-24-03 [Acivo07011])		
With in umber of modular spacings Image: space of the sp	Mounting method		Surface mounted (plaster)
Type of cover Der Der Mathe to the tot tot tot tot tot tot tot tot tot to	Number of rows		1
Cover modelWith nothTansparent cover/doorVer modelVer SoMaterial housingParticParticHeightMan21VithdtMan28DethtMan15Buit-in depthMan0Internal depthMan0DN-railSoSoVith noutring plateManSoEdension possibleManSoRA-numberManSoRA-numberSoSoRA-numberManSoNotation control (MinSoSoNotation control (MinSoSoNotat	Width in number of modular spacings		8
Tansparent cover/door Material housing Pastic Material housing Pastic Height Sal Vidth Material housing Depth Material housing Built-in depth Material Internal depth Material Divarial Material Vidth constraints Material Built-in depth Material Divarial Material Vidth constraints Material Salistic depth Material Divarial Material Salistic depth Salistic depth Divarial Material Salistic depth Salistic depth Divarial Material Salistic depth Salistic depth	Type of cover		Door
Material housingImage: Constraint of the sector	Cover model		With notch
Heightmm31Withmm38Depthmm15Buit-in depthmm70Internal depthmm60DN-railmm50With mounting platemm74Extension possiblemm76Colourmm60RA-numbermm76Darder of protection (IP)mm76With hokmm76With hokmm76Mathematic76Mathematic76Mathematic76Mathematic76Mathematic76Mathematic76Mathematic76Mathematic76Mathematic76Mathematic <t< td=""><td>Transparent cover/door</td><td></td><td>Yes</td></t<>	Transparent cover/door		Yes
Withmm38Deptmm15Bult-in depthmm70Internal depthmm60DIN-railmm60With mounting plateMMMGExtension possibleMMMGColourMGMGRAI-numberMGMGDagree of protection (IP)MGMGWith lockMGMGMithodeMG <td>Material housing</td> <td></td> <td>Plastic</td>	Material housing		Plastic
Depth mm 15 Buit-in depth mm 70 Internal depth mm 60 DIN-rail mm 60 Vith mounting plate Mm No Extension possible Mm No Colour Mm No RAI-number Mm Sequence Degree of protection (IP) Mm Sequence	Height	mm	231
Built-in depthmm70Internal depthmm60DIN-railVsVsWith mounting plateSNoExtension possibleSSEMC-versionSSColourSSRAL-numberSSDegree of protection (IP)MMWith lockMNo	Width	mm	238
Internal depthmm60DIN-railSesSesWith mounting plateSesSesExtension possibleSesSesEMC-versionSesSesColourSesSesRAL-numberSesSesDegree of protection (IP)SesSesWith lockSes<	Depth	mm	115
DIN-railYesWith mounting plateNoExtension possibleYesEMC-versionYesColourYesRAI-numberYesDegree of protection (IP)YesWith lockYesNoYes	Built-in depth	mm	70
With mounting plateMoExtension possibleMoEMC-versionMoColourMoRAL-numberMoDegree of protection (IP)MoWith lockMo<	Internal depth	mm	60
Extension possibleYesEMC-versionNoColourGreyRAL-numberYesDegree of protection (IP)Image: Section of the section o	DIN-rail		Yes
EMC-version No Colour Grey RAL-number 705 Degree of protection (IP) Image: Sector of the sector of th	With mounting plate		No
Colour <td>Extension possible</td> <td></td> <td>Yes</td>	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

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