

IKA professional distribution board, IP65 + clamps

Part no.IKA-3/36-STCatalog No.174199Eaton Catalog No.IKA-3/36-ST



## **Delivery 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		3
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 <sup>2</sup>	PE: 12 x (2.5 - 6) + 12 x (4 - 10) + 1 x (10 - 25) + 1 x (16 - 35) N: 12 x (2.5 - 6) + 12 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) $\label{eq:council}$			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 <sub>V</sub>	CO	37
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	P <sub>V</sub>	CO	75
EC/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 <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.
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.

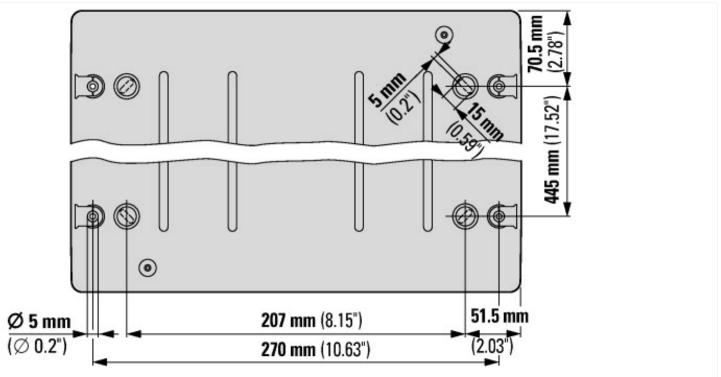
#### **Technical data ETIM 6.0**

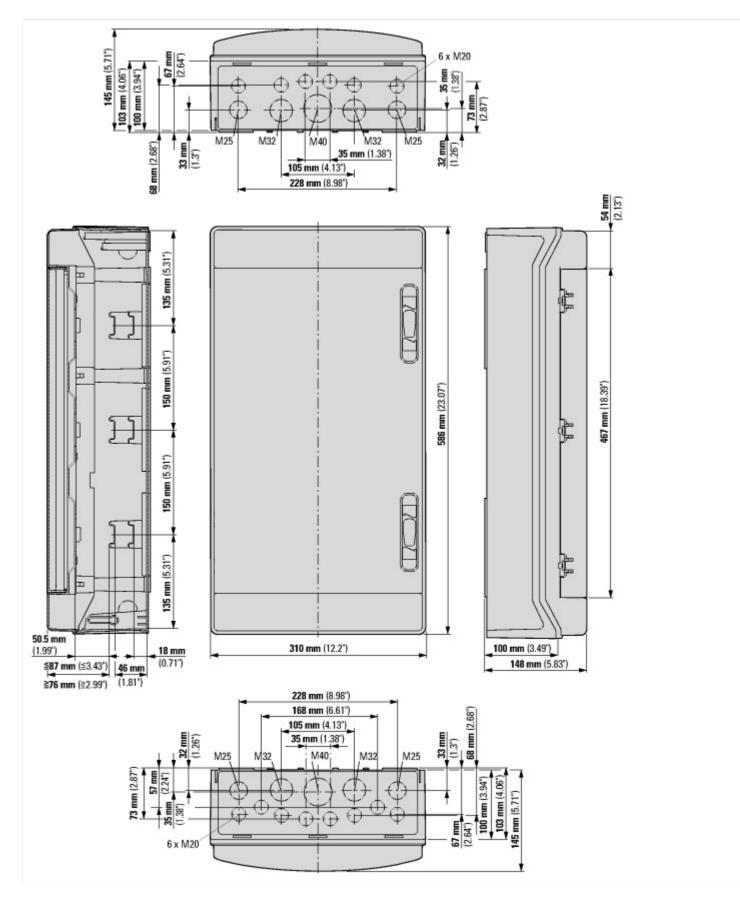
Distribution boards (EG000023) / Small distribution board (EC000214)

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 rowsImage: space of the space of th			
With in number of modular spacings     I     I       Type of cover     Ioo     Ioo       Cover model     With notch     Ioo       Transparent cover/door     Ioo     Ioo       Material housing     Ioo     Ioo       Metrial housing     Ioo     Ioo       Mith in umber of modular spacings     Ioo     Ioo       Material housing     Ioo     Ioo       Mith in umber of modular spacings     Ioo     Ioo       Mith in umber of modular spacings     Ioo     Ioo       Material housing     Ioo     Ioo     Ioo       Dip thi     Ioo     Ioo     Ioo     Ioo       Built-in depth     Ioo	Mounting method		Surface mounting
Type of cover     Image of	Number of rows		3
Cover model   Image of the second s	Width in number of modular spacings		12
Transparent cover/door     Image: manual sector se	Type of cover		Door
Material housingImage: Basic Constraints of the sector of the	Cover model		With notch
Heightnm56Widhnm10Depthnm14Buil-in depthnm0DIN-railnm60Widh mounting plateImmSeExtension possibleImmNoColourImmSeRAL-numberImmSeDegree of protection (IP)ImmSeDine of protection (IP)ImmDine	Transparent cover/door		Yes
Widhnm30Depthmm45Built-in depthmm70Internal depthmm60DIN-railmm60With mounting plateMmForExtension possibleMmValueColourMmSingRAL-numberMmSingDegree of protection (IP)MmSing	Material housing		Plastic
Depth     nm     45       Built-in depth     mm     70       Internal depth     mm     60       DIN-rail     mm     60       With mounting plate     Mm     For       Extension possible     Mm     For       Colour     Mm     Sol       RAL-number     Mm     Sol       Dependent (P)     Mm     Sol	Height	mm	586
Built-in depthmm70Internal depthmm60DIN-railFMFMWith mounting plateFMFMExtension possibleFMFMColourFMFMRAL-numberFMFMDegree of protection (IP)FMFM	Width	mm	310
Internal depthmm60DIN-railSesSesWith mounting plateSesNoExtension possibleSesSesColourSesSesRAL-numberSesSesDegree of protection (IP)SesSes	Depth	mm	145
DIN-railYesWith mounting plateNoExtension possibleYesEMC-versionNoColourFor SRAL-numberSDegree of protection (IP)S	Built-in depth	mm	70
With mounting plate No   Extension possible Yes   EMC-version No   Colour Geogram   RAL-number Yes   Degree of protection (IP) Image: State S	Internal depth	mm	60
Extension possibleYesEMC-versionNoColourGreyRAL-number7035Degree of protection (IP)Image: Solution (IP)	DIN-rail		Yes
EMC-version No   Colour Grey   RAL-number 7035   Degree of protection (IP) Mo	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

Product overview (Web)

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL014003ZU2015\_03.pdf http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm