

## IKA industrial distribution board, UV-stable, IP65 + clamps

Powering Business Worldwide\*

Part no. IKA-3/36-ST-UV Article no. 174192 Catalog No. IKA-3/36-ST-UV

# **Delivery program**

Delivery program			
Basic function			Basic device
Product function			Installation distribution boards
Product range			IKA industrial DBO
Design			Surface mounted
Installation site			Indoor Outdoor
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)			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			Polycarbonate (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		

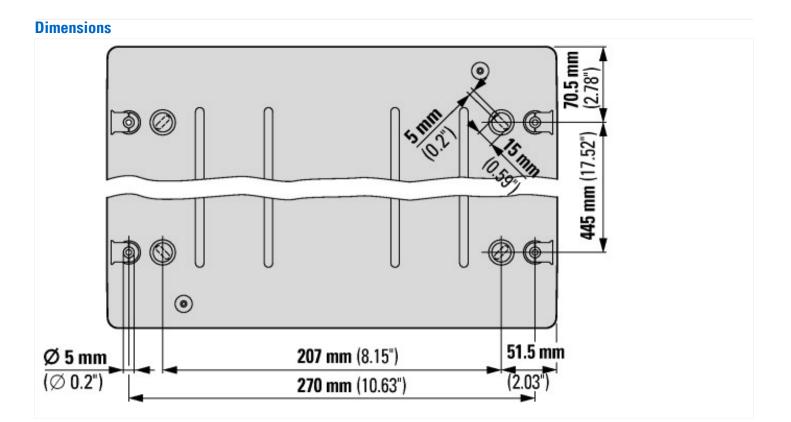
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890  Individual enclosure for wall mounting  P <sub>V</sub> CO  75	Individual enclosure for wall mounting	$P_V$	CO	37
calculated as per IEC 60890 Individual enclosure for wall mounting IEC/EN 61439 design verification ID 2 Strength of materials and parts ID 22 Corrosion resistance ID 2.3 I Verification of resistance of insulating materials to normal heat ID 2.3 Verification of resistance of insulating materials to normal heat ID 2.3 Verification of resistance of insulating materials to normal heat ID 2.3 Verification of resistance of insulating materials to normal heat ID 2.3 Verification of resistance of insulating materials to abnormal heat ID 2.3 Verification of resistance of insulating materials to abnormal heat ID 2.4 Resistance to ultra-violet (UV) radiation ID 2.5 Lifting ID 2.6 Mechanical impact ID 2.7 Inscriptions ID 3.0 Begree of protection of ASSEMBLIES ID 3.0 Begree of protection of ASSEMBLIES ID 3.0 Begree of protection of ASSEMBLIES ID 4.0 Elevances and creepage distances ID 5.0 Frotection against electric shock ID 6.1 Incorporation of switching devices and components ID 7.0 Elevance feature in conductors ID 8.0 Elevance feature in conductors ID 9.0 Insulation properties	•	·		
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10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  11.15 Internal electrical circuits and connections  12.16 the panel builder's responsibility.  13.17 Internal electrical circuits and connections  14.18 the panel builder's responsibility.  15.19 Internal electrical circuits and connections  15.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  15.15 the panel builder is responsibility.  16.16 Internal electrical circuits and components  17.19 Internal electrical circuits and connections  18.2 the panel builder is responsibility.  19.3 Internal electrical circuits and connections  19.4 Testing of enclosures made of insulating material  19.5 The panel builder is responsibility.  19.10 Temperature rise  19.10 Temperature rise calculation. Eaton will provide heat dissipation data for the devices.	10.2.6 Mechanical impact			IK08
10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  Is the panel builder's responsibility.  Is the panel builder's responsibility.	10.2.7 Inscriptions			Meets the product standard's requirements.
10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Protection class 2, therefore not applicable.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility.	10.3 Degree of protection of ASSEMBLIES			IP65
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10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  Is the panel builder's responsibility.	10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
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10.9.2 Power-frequency electric strength  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.  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.	10.8 Connections for external conductors			Is the panel builder's responsibility.
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10.9.4 Testing of enclosures made of insulating material  Meets the product standard's requirements.  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.	10.9.2 Power-frequency electric strength			U <sub>i</sub> = 1000 V AC
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.	10.9.3 Impulse withstand voltage			3.3 kV
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10.12 Electromagnetic compatibility  Is the panel builder's responsibility.	10.10 Temperature rise			
	10.11 Short-circuit rating			Is the panel builder's responsibility.
10.13 Mechanical function Meets the product standard's requirements.	10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
	10.13 Mechanical function			Meets the product standard's requirements.

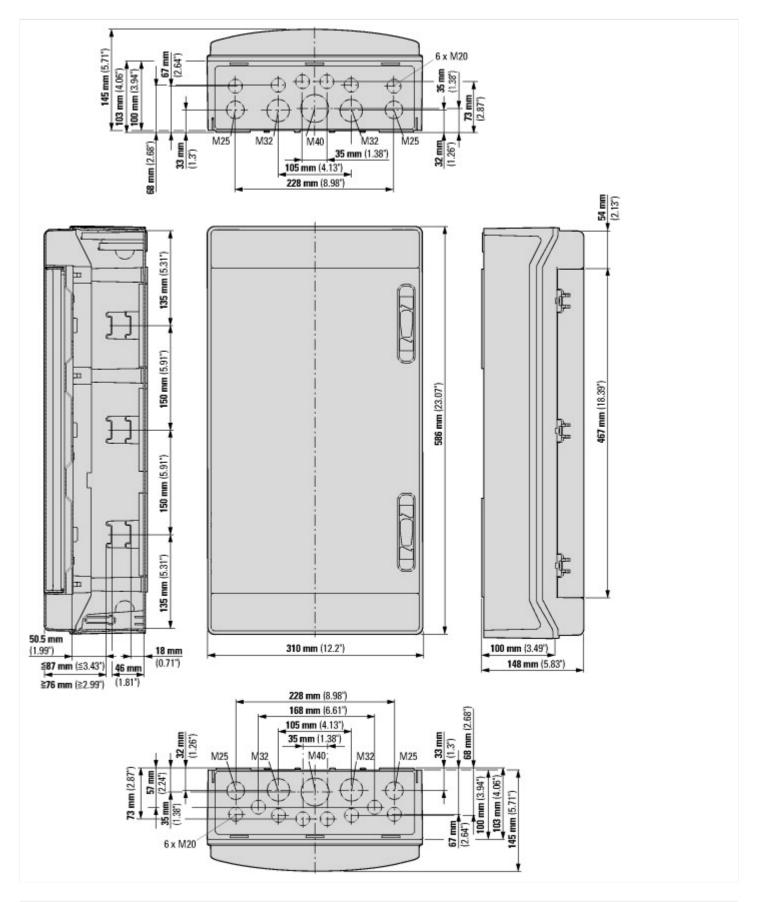
## **Technical data ETIM 6.0**

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])

(CCI@330.1-27-14-24-03 [ACINO07000])		
Mounting method		Surface mounting
Number of rows		3
Width in number of modular spacings		12
Type of cover		Door
Cover model		With notch
Transparent cover/door		Yes
Material housing		Plastic
Height	mm	586
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)		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