DATASHEET - IKA-1/18-ST-UV

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

Part no.	**IKA-1/18-ST-UV**
	174193
EL Number (Norway)	**1702927**

General specifications	
Product name	Eaton xComfort IKA industrial series
Part no.	IKA-1/18-ST-UV
EAN	4015081706556
Product Length/Depth	145 millimetre
Product height	286 millimetre
Product width	418 millimetre
Product weight	1.96 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60670-24 EN 62208
Product Tradename	xComfort IKA
Product Type	Industrial series
Product Sub Type	None
Delivery program	
Type	Basic device IKA industrial distribution board Installation distribution board
Application	Indoor (installation site) Outdoor (installation site)
Color	Gray Light gray (RAL 7035)
Technical Data - Electrical	
Voltage rating at AC	415 V AC
Frequency rating of contacts	50 Hz
Technical Data - Mechanical	
Closure type	Other
Enclosure material	Plastic
Width in number of modular spacings	18
Mounting method	Surface mounting DIN-rail Surface mounted (plaster)
Material	Polycarbonate (plastic)
Degree of protection	IP65 IK08 (impact resistance)
Number of module space units per row	18
Number of rows	1
Terminal type	Screw terminals
PE and N terminal number and cross section	N: 8 x (2.5 mm^2 - 6 mm^2) + 8 x (4 mm^2 - 10 mm^2) + 1 x (10 mm^2 - 25 mm^2) + 1 x (16 mm^2 - 35 mm^2) PE: 8 x (2.5 mm^2 - 6 mm^2) + 8 x (4 mm^2 - 10 mm^2) + 1 x (10 mm^2 - 25 mm^2) + 1 x (16 mm^2 - 35 mm^2)
Built-in depth	70 mm
Built-in height	0 mm
Built-in width	0 mm
Internal depth	60 mm
Cover/door color	Transparent
Cover/door model	With notch
Cover/door type	Single Door
Module rack type	Single-rail
Protective shrouding material	Plastic
Temperature-rise verification as per IEC 60890	
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	27 W

Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	54 W
Design verification as per IEC/EN 61439 - technical data	
Ambient operating temperature details	-25 °C - 40 °C
Design verification as per IEC/EN 61439	
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	850 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	1000 h of UV exposure as per ISO 4892-2; meets the product standard's requirements.
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.
10.9.2 Power-frequency electric strength	Ui = 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.
Additional information	
Features	UV resistant
Fitted with:	Locking screws can be sealed Current circuit designation Sealing caps Reserve section cover 6 space units Neutral-/protective conductor terminal Device support rails Basic device
Functions	Extension possible Basic device
Protection class	II (totally insulated)
RAL-number	7035
Special features	IP65 Protection Class II Plastic enclosure gray (RAL 7035)
Used with	Installation distribution board IKA industrial distribution board Basic device

Technical data ETIM 9.0

Distribution boards (EG000023) / Small distribution board (EC000214)	
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecl@ss13-27-14-24-09 [ACN387016])	
Mounting method	Surface mounted
Number of rows	1
Width in number of modular spacings	18
Type of covering	Door
Cover model	With notch
Type of door	Single
Transparent cover/door	Yes
Signal passing door	No
With lock	No
Type of closure	Other
Housing material	Plastic

Built-in depth		mm	70
Built-in height		mm	0
Built-in width		mm	0
Inner depth		mm	60
Earthing terminal block			No
Neutral terminal block			No
DIN-rail			Yes
With mounting plate			No
Extension possible			Yes
EMC-version			No
UV resistant			Yes
Colour			Grey
RAL-number			7035
Degree of protection (IP)			IP65
Height		mm	286
Width		mm	418
Depth		mm	145

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