DATASHEET - IKA-1/18-OT

IKA standard distribution board, IP65 without clamps

Part no.	**IKA-1/18-OT**
	174209
EL Number (Norway)	**1702943**

General specifications	
Product name	Eaton xComfort IKA standard series
Part no.	IKA-1/18-OT
EAN	4015081706716
Product Length/Depth	145 millimetre
Product height	286 millimetre
Product width	418 millimetre
Product weight	1.79 kilogram
Compliances	RoHS conform
Certifications	EN 62208 IEC/EN 60670-24
Product Tradename	xComfort IKA
Product Type	Standard series
Product Sub Type	None
Delivery program	
Type	Basic device IKA standard distribution board Installation distribution board
Application	Indoor (installation site)
Color	Light gray (RAL 7035) Gray
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	DIN-rail Surface mounting Surface mounted (plaster)
Material	ABS (plastic)
Degree of protection	IK08 (impact resistance) IP65
Number of module space units per row	18
Number of rows	1
Terminal type	Without terminals
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		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.
10.9.2 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

Fitted with:		Locking screws can be sealed Current circuit designation Basic device Device support rails Sealing caps
Functions		Basic device Extension possible
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 standard 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			No
Colour			Grey
RAL-number			7035
Degree of protection (IP)			IP65
Height		mm	286
Width		mm	418
Depth		mm	145

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