DATASHEET - IKA-1/18-ST

IKA professional distribution board, IP65 + clamps

Part no.	**IKA-1/18-ST**
	174200
EL Number (Norway)	**1702934**

General specifications

Product name	Eaton xComfort IKA professional series
Part no.	IKA-1/18-ST
EAN	4015081706624
Product Length/Depth	145 millimetre
Product height	286 millimetre
Product width	418 millimetre
Product weight	1.83 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60670-24 EN 62208
Product Tradename	xComfort IKA
Product Type	Professional series
Product Sub Type	None

Delivery program

Type	Basic device IKA professional 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	Surface mounting Surface mounted (plaster) DIN-rail
Material	ABS (plastic)
Degree of protection	IK08 (impact resistance) IP65
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			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 Reserve section cover 6 space units Neutral-/protective conductor terminal Device support rails Sealing caps 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)

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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