

IKA professional distribution board, IP65 + clamps

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

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		EN 62208 IEC/EN 60670-24
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		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		DIN-rail Surface mounted (plaster) Surface mounting
Material		ABS (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		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) 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)
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		Door Single
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:			Basic device Sealing caps Device support rails Neutral-/protective conductor terminal Reserve section cover 6 space units Current circuit designation Locking screws can be sealed
Functions			Basic device Extension possible
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 (ecI@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