

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 <sup>2</sup> - 6 mm <sup>2</sup> ) + 8 x (4 mm <sup>2</sup> - 10 mm <sup>2</sup> ) + 1 x (10 mm <sup>2</sup> - 25 mm <sup>2</sup> ) + 1 x (16 mm <sup>2</sup> - 35 mm <sup>2</sup> ) N: 8 x (2.5 mm <sup>2</sup> - 6 mm <sup>2</sup> ) + 8 x (4 mm <sup>2</sup> - 10 mm <sup>2</sup> ) + 1 x (10 mm <sup>2</sup> - 25 mm <sup>2</sup> ) + 1 x (16 mm <sup>2</sup> - 35 mm <sup>2</sup> )
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
<b>Design verification as per IEC/EN 61439 - technical data</b>		
Ambient operating temperature details		-25 °C - 40 °C
<b>Design verification as per IEC/EN 61439</b>		
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		U <sub>i</sub> = 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.
<b>Additional information</b>		
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 (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