

IKA professional distribution board, IP65 + clamps



Part no. IKA-3/54-ST
174202
EL Number 1702936
(Norway)

General specifications

Product name	Eaton xComfort IKA professional series
Part no.	IKA-3/54-ST
EAN	4015081706648
Product Length/Depth	145 millimetre
Product height	586 millimetre
Product width	418 millimetre
Product weight	3.91 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	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	IK08 (impact resistance) IP65
Number of module space units per row	18
Number of rows	3
Terminal type	Screw terminals
PE and N terminal number and cross section	N: 16 x (2.5 mm ² - 6 mm ²) + 16 x (4 mm ² - 10 mm ²) + 1 x (10 mm ² - 25 mm ²) + 1 x (16 mm ² - 35 mm ²) PE: 16 x (2.5 mm ² - 6 mm ²) + 16 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	Rail frame
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)	45 W
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Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	91 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:	Current circuit designation Sealing caps Basic device Locking screws can be sealed Device support rails Neutral-/protective conductor terminal Reserve section cover 6 space units
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 8.0

Distribution boards (EG000023) / Small distribution board (EC000214)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])		
Mounting method	Surface mounted (plaster)	
Number of rows	3	
Width in number of modular spacings	18	
Type of cover	Door	
Cover model	With notch	
Transparent cover/door	Yes	
Material housing	Plastic	
Height	mm	586
Width	mm	418
Depth	mm	145
Built-in depth	mm	70
Built-in height	mm	0
Built-in width	mm	0
Internal depth	mm	60

Earthing terminal block		No
Neutral terminal block		No
DIN-rail		Yes
With mounting plate		No
Extension possible		Yes
EMC-version		No
Colour		Grey
RAL-number		7035
Degree of protection (IP)		IP65
With lock		No
Type of closure		Other
Signal passing door		No