DATASHEET - IKA-1/4-ST

IKA professional distribution board, IP65 + clamps

Part no. IKA-1/4-ST
174221

EL Number (Norway) 1702955

Product name	Eaton xComfort IKA professional series
Part no.	IKA-1/4-ST
EAN	4015081706839
Product Length/Depth	110 millimetre
Product height	231 millimetre
Product width	166 millimetre
Product weight	0.72 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60670-24 EN 62208
Product Tradename	xComfort IKA
Product Type	Professional series
Product Sub Type	None
Type	Basic device IKA professional distribution board Installation distribution board
Application	Indoor (installation site)
Color	Gray Light gray (RAL 7035)
Voltage rating at AC	415 V AC
Frequency rating of contacts	50 Hz
Closure type	Other
Enclosure material	Plastic
Width in number of modular spacings	4
Mounting method	Surface mounted (plaster) Surface mounting DIN-rail
Material	ABS (plastic)
Degree of protection	IK08 (impact resistance) IP65
Number of module space units per row	4
Number of rows	1
Terminal type	Screw terminals
PE and N terminal number and cross section	N: 2 x (2.5 mm^2 - 6 mm^2) + 2 x (4 mm^2 - 10 mm^2) + 1 x (16 mm^2 - 35 mm^2) PE: 2 x (2.5 mm^2 - 6 mm^2) + 2 x (4 mm^2 - 10 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
Module rack type	Single-rail
Protective shrouding material	Plastic
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	11 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	22 W

Ambient operating temperature details		-25 °C - 40 °C
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.
Fitted with:		Reserve section cover 6 space units Device support rails Basic device Locking screws can be sealed Sealing caps Neutral-/protective conductor terminal Current circuit designation
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		IKA professional distribution board Installation distribution board Basic device

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		1
Width in number of modular spacings		4
Type of cover		Door
Cover model		With notch
Transparent cover/door		Yes
Material housing		Plastic
Height	mm	231
Width	mm	166
Depth	mm	110
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	7,035
Degree of protection (IP)	IP65
With lock	No
Type of closure	Other
Signal passing door	No

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