

IKA standard distribution board, IP65 without clamps



**Part no.** IKA-1/12-OT  
**174206**  
**EL Number** 1702940  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton xComfort IKA standard series
Part no.		IKA-1/12-OT
EAN		4015081706686
Product Length/Depth		145 millimetre
Product height		246 millimetre
Product width		310 millimetre
Product weight		1.26 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 60670-24 EN 62208
Product Tradename		xComfort IKA
Product Type		Standard series
Product Sub Type		None
<b>Delivery program</b>		
Type		Basic device IKA standard distribution board Installation distribution board
Application		Indoor (installation site)
Color		Light gray (RAL 7035) Gray
<b>Technical Data - Electrical</b>		
Voltage rating at AC		415 V AC
Frequency rating of contacts		50 Hz
<b>Technical Data - Mechanical</b>		
Closure type		Other
Enclosure material		Plastic
Width in number of modular spacings		12
Mounting method		Surface mounting DIN-rail Surface mounted (plaster)
Material		ABS (plastic)
Degree of protection		IK08 (impact resistance) IP65
Number of module space units per row		12
Number of rows		1
Terminal type		Without terminals
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
<b>Temperature-rise verification as per IEC 60890</b>		
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)		20 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		40 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:			Sealing caps Current circuit designation Basic device Locking screws can be sealed Device support rails
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			Basic device Installation distribution board IKA standard distribution board

## 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 (ec1@ss13-27-14-24-09 [ACN387016])			
Mounting method			Surface mounted
Number of rows			1
Width in number of modular spacings			12
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	246
Width		mm	310
Depth		mm	145