Specifications







Eaton 174192

Eaton xComfort IKA LV systems Final Distribution Boards. IKA industrial distribution board, UV-stable, IP65 + clamps, 3/36-ST-UV

General specifications	
PRODUCT NAME	Eaton xComfort IKA industrial series
CATALOG NUMBER	174192
MODEL CODE	IKA-3/36-ST-UV
EAN	4015081706549
PRODUCT LENGTH/DEPTH	145 mm
PRODUCT HEIGHT	586 mm
PRODUCT WIDTH	310 mm
PRODUCT WEIGHT	4.11 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208 IEC/EN 60670-24

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Additional information

FEATURES	UV resistant
FITTED WITH:	Locking screws can be sealed Neutral-/protective conductor terminal Device support rails Sealing caps Basic device Reserve section cover 6 space units Current circuit designation
FUNCTIONS	Extension possible Basic device Sealable
PROTECTION CLASS	II (totally insulated)
RAL-NUMBER	7035
SPECIAL FEATURES	• IP65 • Protection Class II • Plastic enclosure gray (RAL 7035)
USED WITH	Installation distribution board Basic device IKA industrial distribution board

Delivery programme

APPLICATION	• Indoor (installation site) • Outdoor (installation site)
COLOR	Light gray (RAL 7035) Gray
TYPE	• Basic device • IKA industrial distribution board • Installation distribution board

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Design verification to IEC/EN 61439

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.
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	850 °C; meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	1000 h of UV exposure as per ISO 4892-2; meets the product standard's requirements.
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.

Design verification to IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE DETAILS	-25 °C - 40 °C

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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.

Technical data - electrical

FREQUENCY RATING OF CONTACTS	50 Hz
VOLTAGE RATING AT AC	415 V AC

Technical data - mechanical

BUILT-IN DEPTH	70 mm
CABLE ENTRY POSTION	Metric cable entries on top and bottom, side, back plate
CLOSURE TYPE	Other
COVER/DOOR COLOR	Transparent
COVER/DOOR MODEL	With notch
COVER/DOOR TYPE	Door Single
DEGREE OF PROTECTION	IP65 IK08 (impact resistance)
ENCLOSURE MATERIAL	Plastic
INTERNAL DEPTH	60 mm
MATERIAL	Polycarbonate (plastic)
MODULE RACK TYPE	Rail frame
MOUNTING METHOD	DIN-rail Surface mounted (plaster) Surface mounting
NUMBER OF MODULE SPACE UNITS PER ROW	12
NUMBER OF ROWS	3
PE AND N TERMINAL NUMBER AND CROSS SECTION	N: 12 x (2.5 mm² - 6 mm²) + 12 x (4 mm² - 10 mm²) + 1 x (10 mm² - 25 mm²) + 1 x (16 mm² - 35 mm²) PE: 12 x (2.5 mm² - 6 mm²) + 12 x (4 mm² - 10 mm²) + 1 x (10 mm² - 25 mm²) + 1 x (16 mm² - 35 mm²)
PROTECTIVE SHROUDING MATERIAL	Plastic
TERMINAL TYPE	Screw terminals
WIDTH IN NUMBER OF MODULAR SPACINGS	12

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Temperature-rise verification as per IEC 60890

HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	37 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	75 W

Resources

BROCHURES	eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf
CATALOGUES	eaton-xcomfort-compact-distribution-catalog-ca015004en-en-us.pdf
CERTIFICATION REPORTS	eaton-xcomfort-ika-declaration-of-conformity-251017-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-standard-series-declaration-of-conformity-eu251514en.pdf
DRAWINGS	eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-008.eps eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-017.eps
INSTALLATION INSTRUCTIONS	eaton-xcomfort-ika-installation-il014003zu-z.pdf

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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