

Specifikacijos



Eaton 178816

Eaton xComfort KLV LV systems Final Distribution Boards. Compact distribution board-flush mounting, 2-rows, flush sheet steel door, 24UPS-F

General specifications

PRODUCT NAME	Eaton xComfort KLV energy distribution board
CATALOG NUMBER	178816
EAN	4015081741458
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	465 mm
PRODUCT WIDTH	360 mm
PRODUCT WEIGHT	3.41 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 60670-24 (PD) IEC/EN 62208
MODEL CODE	KLV-24UPS-F

Delivery program

TYPE	• Basic device
	• Installation
	distribution board
	• KLV energy

APPLICATION	Indoor (installation site)
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COLOR	White Traffic white (RAL 9016)
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Technical data - mechanical

CLOSURE TYPE	Other
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ENCLOSURE MATERIAL	Plastic
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WIDTH IN NUMBER OF MODULAR SPACINGS	12
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MOUNTING METHOD	DIN-rail Flush mounted (plaster) Flush mounting
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MATERIAL	Polystyren (plastic) Sheet steel, powder- coated
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NUMBER OF MODULE SPACE UNITS PER ROW	12
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NUMBER OF ROWS	2
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TERMINAL TYPE	Screw terminals
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PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 13 x (0.75 mm ² - 16 mm ²) N - Fi: 4x (0.75 mm ² - 16 mm ²) N: 16 x (0.75 mm ² - 16 mm ²)
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BUILT-IN DEPTH	88 mm
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BUILT-IN HEIGHT	0 mm
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BUILT-IN WIDTH	0 mm
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INTERNAL DEPTH	75 mm
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CABLE ENTRY POSTION	Cable entries on top and bottom, side, back plate
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COVER/DOOR COLOR	White
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COVER/DOOR MODEL	With notch
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COVER/DOOR TYPE	Door Single
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MODULE RACK TYPE	Rail frame
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PROTECTIVE SHROUDING MATERIAL	Plastic
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Technical data - electrical

VOLTAGE RATING AT AC	400 V AC
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FREQUENCY RATING OF CONTACTS	50 Hz
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Temperature-rise verification as per IEC 60890

HEAT DISS. AMBIENT 35°C DELTA T:20°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)	16 W
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HEAT DISS. AMBIENT 35°C DELTA T:35°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)	34 W
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Design verification as per IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE DETAILS -5 °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	IK05
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	IP30
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 = 400 V AC
10.9.3 IMPULSE WITHSTAND VOLTAGE	4 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

Additional information

FEATURES	EMC-version
FITTED WITH:	Cable retainer Front cover Installation instructions Imprintable sheet Nail lugs Neutral and protective conductor terminals with SK screw terminal technology 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Wall trough Spirit level for leveling Door/Frame Device support rails
FUNCTIONS	Extension possible Basic device Sealable
PROTECTION CLASS	II (totally insulated)
RAL-NUMBER	9016
SPECIAL FEATURES	• IP30 • Protection Class II • Plastic enclosure with sheet steel door, white (RAL 9016)
USED WITH	Installation distribution board Basic device KLV energy

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.

Ištekliai

BRĖŽINIAI	eaton-lighting-xcomfort-klv-lv-systems-dimensions-1230DIM-433.eps eaton-lighting-xcomfort-klv-lv-systems-dimensions-007.eps eaton-lighting-xcomfort-klv-lv-systems-dimensions-002.eps
BROŠIŪROS	eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf
ECAD MODEL	DA-CE-ETN.KLV-24UPS-F
MONTAVIMO INSTRUKCIJOS	IL014007ZU eaton-compact-distribution-board-klv-il014009zu.pdf
SERTIFIKAVIMO ATASKAITOS	eaton-energy-distribution-board-declaration-of-conformity-eu250308en.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



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