

Specifications



Eaton 178814

Eaton xComfort KLV LV systems Final Distribution Boards. Compact distribution board-flush mounting, 1-rows, flush sheet steel door, 12UPS-F

General specifications

PRODUCT NAME	Eaton xComfort KLV energy distribution board
CATALOG NUMBER	178814
MODEL CODE	KLV-12UPS-F
EAN	4015081741434
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	340 mm
PRODUCT WIDTH	360 mm
PRODUCT WEIGHT	2.54 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 62208 IEC/EN 60670-24 (PD)
GLOBAL CATALOG	178814



Powering Business Worldwide

Product specifications

SPECIAL FEATURES	<ul style="list-style-type: none"> • IP30 • Protection Class II • Plastic enclosure with sheet steel door, white (RAL 9016)
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TYPE	<ul style="list-style-type: none"> • Basic device • Installation distribution board • KLV energy
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FEATURES	EMC-version
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10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility.
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10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
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10.13 MECHANICAL FUNCTION	Meets the product standard's requirements.
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10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
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10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
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10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
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10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	650 °C; meets the product standard's requirements.
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10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
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10.2.5 LIFTING	Does not apply to enclosures without lifting aids.
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10.2.6 MECHANICAL IMPACT	IK05
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10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
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10.3 DEGREE OF PROTECTION OF	IP30
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Resources

BROCHURES	eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf
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CATALOGS	eaton-xcomfort-compact-distribution-catalog-ca015004en-en-us.pdf
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DECLARATIONS OF CONFORMITY	eaton-energy-distribution-board-declaration-of-conformity-eu250308en.pdf
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DRAWINGS	eaton-lighting-xcomfort-klv-lv-systems-dimensions-1230DIM-433.eps
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DRAWINGS	eaton-lighting-xcomfort-klv-lv-systems-dimensions.eps
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DRAWINGS	eaton-lighting-xcomfort-klv-lv-systems-dimensions-007.eps
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ECAD MODEL	DA-CE-ETN.KLV-12UPS-F
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INSTALLATION INSTRUCTIONS	eaton-compact-distribution-board-klv-il014009zu.pdf
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INSTALLATION INSTRUCTIONS	IL014007ZU
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INSTALLATION VIDEOS	New xComfort KLV 5-row series
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ASSEMBLIES	
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 _i = 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.
FITTED WITH:	Door/Frame Spirit level for leveling Front cover Imprintable sheet 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Wall trough Device support rails Installation instructions Neutral and protective conductor terminals with SK screw terminal technology Cable retainer Nail lugs
ENCLOSURE MATERIAL	Plastic
BUILT-IN HEIGHT	0 mm
BUILT-IN WIDTH	0 mm
CABLE ENTRY POSTION	Cable entries on top and bottom, side, back plate
TERMINAL TYPE	Screw terminals
BUILT-IN DEPTH	88 mm
HEAT DISS. AMBIENT 35°C DELTA T:20°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)	13 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C FLUSH MOUNT INDIVID. ENCL.	21 W

TOP(IEC 60890)	
CLOSURE TYPE	Other
COVER/DOOR COLOR	White
COVER/DOOR MODEL	With notch
COVER/DOOR TYPE	Door Single
RAL-NUMBER	9016
WIDTH IN NUMBER OF MODULAR SPACINGS	12
AMBIENT OPERATING TEMPERATURE DETAILS	-5 °C - 40 °C
APPLICATION	Indoor (installation site)
VOLTAGE RATING AT AC	400 V AC
COLOR	Traffic white (RAL 9016) White
NUMBER OF ROWS	1
FREQUENCY RATING OF CONTACTS	50 Hz
MODULE RACK TYPE	Single-rail
DEGREE OF PROTECTION	IK05 (impact resistance) IP30
NUMBER OF MODULE SPACE UNITS PER ROW	12
PROTECTION CLASS	II (totally insulated)
PROTECTIVE SHROUDING MATERIAL	Plastic
FUNCTIONS	Basic device Extension possible Sealable
MATERIAL	Sheet steel, powder-coated Polystyren (plastic)
MOUNTING METHOD	DIN-rail Flush mounting Flush mounted (plaster)
INTERNAL DEPTH	75 mm
PE AND N TERMINAL NUMBER AND CROSS SECTION	N: 13 x (0.75 mm ² - 16 mm ²) PE: 13 x (0.75 mm ² - 16 mm ²)
NUMBER OF OPENINGS FOR SOCKET OUTLETS	0

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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