



## Eaton 302414

Eaton xComfort KLV LV systems Final Distribution Boards. Compact distribution board-flush mounting, 5-rows, 60MU, flat sheet steel door, UPS-F

### General specifications

<b>PRODUCT NAME</b>	Eaton xComfort KLV energy distribution board
<b>CATALOG NUMBER</b>	302414
<b>EAN</b>	9010238160828
<b>PRODUCT LENGTH/DEPTH</b>	100 mm
<b>PRODUCT HEIGHT</b>	840 mm
<b>PRODUCT WIDTH</b>	360 mm
<b>PRODUCT WEIGHT</b>	6.93 kg
<b>COMPLIANCES</b>	RoHS conform
<b>CERTIFICATIONS</b>	IEC/EN 60670-24 (PD) IEC/EN 62208
<b>MODEL CODE</b>	KLV-60UPS-F

## Delivery program

TYPE	• Basic device
	• Installation
	distribution boards
	• KLV energy

APPLICATION	Indoor
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COLOR	Traffic white (RAL 9016) White
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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 mounting Flush mounted (plaster)
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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	5
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TERMINAL TYPE	Screw terminals
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PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 25 x (0.75 mm <sup>2</sup> - 16 mm <sup>2</sup> ) N - Fi: 2 x (0.75 mm <sup>2</sup> - 16 mm <sup>2</sup> ) + 2 x (0.75 mm <sup>2</sup> - 25 mm <sup>2</sup> ) N: 25 x (0.75 mm <sup>2</sup> - 16 mm <sup>2</sup> )
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BUILT-IN DEPTH	80 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	80 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)	28 W
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HEAT DISS. AMBIENT 35°C DELTA T:35°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)	58 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

<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
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<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
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<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
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<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	650 °C; meets the product standard's requirements.
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<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Not relevant to indoor installations.
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<b>10.2.5 LIFTING</b>	Does not apply to enclosures without lifting aids.
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<b>10.2.6 MECHANICAL IMPACT</b>	IK05
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<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
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<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	IP30
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<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
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<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Protection class 2, therefore not applicable.
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<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Is the panel builder's responsibility.
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<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
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<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
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<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Ui = 400 V AC
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<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	4 kV
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<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Meets the product standard's requirements.
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<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>10.13 MECHANICAL FUNCTION</b>	Meets the product standard's requirements.

## Additional information

<b>FITTED WITH:</b>	Front cover Installation instructions 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Device support rails Door/Frame Wall trough Spirit level for leveling Neutral and protective conductor terminals with SK screw terminal technology Imprintable sheet Cable retainer Nail lugs
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<b>FUNCTIONS</b>	Basic device Extension possible Sealable
<b>PROTECTION CLASS</b>	II (totally insulated)
<b>RAL-NUMBER</b>	9016

<b>SPECIAL FEATURES</b>	<ul style="list-style-type: none"> <li>• IP30</li> <li>• Protection Class II</li> <li>• Plastic enclosure with sheet steel door, white (RAL 9016)</li> </ul>
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<b>USED WITH</b>	KLV energy Basic device Installation distribution boards
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## Do pobrania

<b>BROSZURY</b>	<a href="#">eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf</a>
<b>DEKLARACJE ZGODNOŚCI</b>	<a href="#">eaton-energy-distribution-board-declaration-of-conformity-eu250308en.pdf</a>
<b>INSTRUKCJE MONTAŻU</b>	<a href="#">eaton-compact-distribution-board-klv-il014009zu.pdf</a> <a href="#">IL014007ZU</a>
<b>RYSUNKI</b>	<a href="#">eaton-lighting-xcomfort-klv-lv-systems-dimensions-1230DIM-433.eps</a> <a href="#">eaton-lighting-xcomfort-klv-lv-systems-dimensions-008.eps</a> <a href="#">eaton-lighting-xcomfort-klv-lv-systems-dimensions-016.eps</a>

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATA:**

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