

Compact distribution board-flush mounting; 5-rows; 60MU; super-flat sheet steel door
Part no. **KLV-60UPS-SF**
302415
General specifications

Product name	Eaton xComfort KLV energy distribution board
Part no.	KLV-60UPS-SF
EAN	9010238160835
Product Length/Depth	100 millimetre
Product height	840 millimetre
Product width	360 millimetre
Product weight	6.93 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 62208 IEC/EN 60670-24 (PD)
Product Tradename	xComfort KLV
Product Type	Energy distribution board
Product Sub Type	None

Delivery program

Type	Basic device Installation distribution boards KLV energy
Application	Indoor
Color	White Traffic white (RAL 9016)

Technical Data - Electrical

Frequency rating of contacts	50 Hz
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Technical Data - Mechanical

Closure type	Other
Enclosure material	Plastic
Width in number of modular spacings	12
Mounting method	DIN-rail Flush mounted (plaster) Flush mounting
Material	Sheet steel, powder-coated Polystyren (plastic)
Degree of protection	IK05 IP30
Number of module space units per row	12
Number of rows	5
Terminal type	Screw terminals
PE and N terminal number and cross section	N: 25 x (0.75 mm ² - 16 mm ²) PE: 25 x (0.75 mm ² - 16 mm ²) N - Fi: 2 x (0.75 mm ² - 16 mm ²) + 2 x (0.75 mm ² - 25 mm ²)
Built-in depth	80 mm
Built-in height	0 mm
Built-in width	0 mm
Internal depth	80 mm
Cover/door color	White
Cover/door model	With notch
Cover/door type	Door Single
Module rack type	Rail frame
Protective shrouding material	Plastic
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
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 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.
Additional information	
Fitted with:	Front cover Door/Frame Cable retainer 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Nail lugs Spirit level for leveling Installation instructions Wall trough Imprintable sheet Device support rails Neutral and protective conductor terminals with SK screw terminal technology
Functions	Extension possible Basic device
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	Basic device KLV energy Installation distribution boards

Technical data ETIM 8.0

Distribution boards (EG000023) / Small distribution board (EC000214)	
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])	
Mounting method	Flush mounted (plaster)
Number of rows	5
Width in number of modular spacings	12
Type of cover	Door
Cover model	With notch
Transparent cover/door	No
Material housing	Plastic
Height	mm 840
Width	mm 360
Depth	mm 100
Built-in depth	mm 80

Built-in height	mm	0
Built-in width	mm	0
Internal depth	mm	80
Earthing terminal block		No
Neutral terminal block		No
DIN-rail		Yes
With mounting plate		No
Extension possible		Yes
EMC-version		No
Colour		White
RAL-number		9016
Degree of protection (IP)		IP30
With lock		No
Type of closure		Other
Signal passing door		No