DATASHEET - KLV-48UPP-SF

Compact distribution board-flush mounting; 4-rows; super-slim sheet steel door

Part no. **KLV-48UPP-SF**
178805

General specifications	
Product name	Eaton xComfort KLV energy distribution board
Part no.	KLV-48UPP-SF
EAN	4015081741342
Product Length/Depth	100 millimetre
Product height	715 millimetre
Product width	360 millimetre
Product weight	4.98 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60670-24 (PD) IEC/EN 62208
Product Tradename	xComfort KLV
Product Type	Energy distribution board
Product Sub Type	None
Delivery program	
Type	Basic device Installation distribution board KLV energy
Application	Indoor (installation site)
Color	Traffic white (RAL 9016) White
Technical Data - Electrical	
Frequency rating of contacts	50 Hz
Technical Data - Mechanical	
Closure type	Other
Enclosure material	Plastic
Width in number of modular spacings	12
Mounting method	Flush mounting Flush mounted (plaster) DIN-rail
Material	Sheet steel, powder-coated Polystyren (plastic)
Degree of protection	IK05 (impact resistance) IP30
Number of module space units per row	12
Number of rows	4
Terminal type	Plug-in terminals
PE and N terminal number and cross section	PE: 4 x (2.5 mm^2 - 25 mm^2) + 28 x (0.5 mm^2 - 4 mm^2) N: 4 x (2.5 mm^2 - 25 mm^2) + 28 x (0.5 mm^2 - 4 mm^2)
Built-in depth	88 mm
Built-in height	0 mm
Built-in width	0 mm
Internal depth	75 mm
Cover/door color	White
Cover/door model	With notch
Cover/door type	Single Door
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)	24 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

Features	EMC-version
Fitted with:	Imprintable sheet Device support rails Nail lugs Wall trough Neutral and protective conductor terminals with KSK plug-in terminal technology 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Installation instructions Cable retainer Front cover Spirit level for leveling Door/Frame
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 Installation distribution board KLV energy

Technical data ETIM 9.0

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecl@ss13-27-14-24-09 [ACN387016])

Mounting method	Flush-mounted
Number of rows	4
Width in number of modular spacings	12
Type of covering	Door
Cover model	With notch
Type of door	Single
Transparent cover/door	No
Signal passing door	No
With lock	No
Type of closure	Other

Housing material			Plastic
Built-in depth		mm	88
Built-in height		mm	0
Built-in width		mm	0
Inner depth		mm	75
Earthing terminal block			No
Neutral terminal block			No
DIN-rail			Yes
With mounting plate			No
Extension possible			Yes
EMC-version			Yes
UV resistant			No
Colour			White
RAL-number			9016
Degree of protection (IP)			IP30
Height		mm	715
Width		mm	360
Depth		mm	100

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