DATASHEET - KLV-24HWP-SF

Hollow wall compact distribution board; 2-rows; super-slim sheet steel door

Part no. **KLV-24HWP-SF**
178809

General specifications	
Product name	Eaton xComfort KLV energy distribution board
Part no.	KLV-24HWP-SF
EAN	4015081741380
Product Length/Depth	100 millimetre
Product height	465 millimetre
Product width	360 millimetre
Product weight	3.41 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	White Traffic white (RAL 9016)
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	Hollow-wall mounting Hollow wall DIN-rail
Material	Sheet steel, powder-coated Polystyren (plastic)
Degree of protection	IP30 IK05 (impact resistance)
Number of module space units per row	12
Number of rows	2
Terminal type	Plug-in terminals
PE and N terminal number and cross section	N - Fi: 1 x (2.5 mm^2 - 25 mm^2) + 7 x (0.5 mm^2 - 4 mm^2) PE: 2 x (2.5 mm^2 - 25 mm^2) + 14 x (0.5 mm^2 - 4 mm^2) N: 2 x (2.5 mm^2 - 25mm^2) + 14 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)	16 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			850 °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:			Device support rails Installation instructions Spirit level for leveling Imprintable sheet Front cover Wall trough Neutral and protective conductor terminals with KSK plug-in terminal technology Hollow-wall anchor Cable retainer 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm 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)

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			Hollow wall
Number of rows			2
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	465
Width		mm	360
Depth		mm	100

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