DATASHEET - KLV-24HWP-F

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

Part no. KLV-24HWP-F
178808

General specifications	
Product name	Eaton xComfort KLV energy distribution board
Part no.	KLV-24HWP-F
EAN	4015081741373
Product Length/Depth	100 millimetre
Product height	465 millimetre
Product width	360 millimetre
Product weight	3.41 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 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	Hollow wall Hollow-wall mounting DIN-rail
Material	Polystyren (plastic) Sheet steel, powder-coated
Degree of protection	IK05 (impact resistance) IP30
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: 2 x (2.5 mm^2 - 25mm^2) + 14 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 - Fi: 1 x (2.5 mm^2 - 25 mm^2) + 7 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:		Cable retainer 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Imprintable sheet Door/Frame Wall trough Neutral and protective conductor terminals with KSK plug-in terminal technology Front cover Spirit level for leveling Installation instructions Hollow-wall anchor Device support rails
Functions		Basic device Extension possible
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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