DATASHEET - KLV-36UPS-F

Compact distribution board-flush mounting; 3-rows; flush sheet steel door

Part no. KLV-36UPS-F
178818

General specifications			
Product name			Eaton xComfort KLV energy distribution board
Part no.			KLV-36UPS-F
EAN			4015081741472
Product Length/Depth			100 millimetre
Product height			590 millimetre
Product width			360 millimetre
Product weight			4.2 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			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			Flush mounting Flush mounted (plaster) DIN-rail
Material			Polystyren (plastic) Sheet steel, powder-coated
Degree of protection			IP30 IK05 (impact resistance)
Number of module space units per row			12
Number of rows			3
Terminal type			Screw terminals
PE and N terminal number and cross section			N - Fi: 4x (0.75 mm² - 16 mm²) N: 25 x (0.75 mm² - 16 mm²) PE: 25 x (0.75 mm² - 16 mm²)
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			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)			20 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:		Neutral and protective conductor terminals with SK screw terminal technology Spirit level for leveling Device support rails Installation instructions Nail lugs Wall trough Cable retainer Front cover Imprintable sheet Door/Frame 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm
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)
Used with		Basic device KLV energy Installation distribution board

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		3
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	590
Width		mm	360
Depth		mm	100