

Hollow wall compact distribution board; multimedia; 4-rows; super-slim sheet steel door



Part no. **KLV-48HWM-SF**
Catalog No. **178837**

Delivery program

Basic function		Basic device
Product function		Installation distribution boards
Product range		KLV multimedia
Design		Hollow wall
Installation site		Indoor
Type of installation		Hollow-wall mounting
Door/Flap		White
Degree of Protection		IP30
Colour		White
Module rack		Media mounting plate
Shroud for protection against accidental contact		Without
Rows	Count	4
Module units per row		12
Description		IP30 Protection Class II Plastic enclosure with sheet steel door, white (RAL 9016) Note: To obtain protection class II, all devices installed on the mounting plate must be of the fully insulated type.
Cable entries		Cable entries on top and bottom, side, back plate
PE and N terminals design		Without
Equipment supplied		Wall trough Door/Frame Device support rails Microperforated mounting plate Device holder 2x single-way socket outlet Spirit level for leveling 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Cable retainer Hollow-wall anchor Installation instructions

Technical data

General		
Standards		IEC/EN 62208, IEC/EN 60670-24 (GP)
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council)		conform
Ambient temperature	°C	-5 - +40
Degree of Protection		IP30
Protection class		II (totally insulated)
Rated operational voltage	Ue	V AC 230
Rated frequency	f	Hz 50

Material characteristics

Material		Polystyren (plastic) Sheet steel, powder-coated
Colour		white (RAL 9016)

Material properties

Mechanical		
Impact resistance		IK05

Design verification as per IEC/EN 61439

Technical data for design verification

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890	P _V	W	24
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890	P _V	W	48
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
10.9.2 Power-frequency electric strength			U _i = 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.

Technical data ETIM 8.0

Data and telecommunication (EG000037) / Distributor for telecommunication (EC000374)

Electric engineering, automation, process control engineering / Electrical installation, device / Connection devices / Distributor for telecommunication (ecl@ss10.0.1-27-14-44-26 [AEI678006])

Model		Distributor enclosure
Mounting method		Flush mounted (plaster)
With connecting lugs		No
Max. number of dual cores		12
Mounting dimension (standardised)		Other
110-compatible		Yes
LSA		No
SID		No
Material		Steel plate/plastic
Degree of protection (IP)		IP30
Degree of protection (NEMA)		Other
Colour		White
Height	mm	715
Width	mm	360
Depth	mm	100
Number of mountable connection strips		12
DIN-compatible		Yes
Compatible with Grade2TV according to XP-C 90-483		No
Compatible with Grade3TV according to XP-C 90-483		No