DATASHEET - KLV-48HWM-SF



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



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

Delivery program

Delivery program		
Product image		
Basic function		Basic device
Product function		Installation distribution boards
Product range		KLV media DBO
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)
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 Double-gang socket outlet Euro2 adapter Spirit level for leveling 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Cable retainer Device support rails Installation instructions

Technical data General

Colour

General			
Standards			IEC/EN 60670-24
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	400
Rated frequency	f	Hz	50
Material characteristics			
Material			Polystyren (plastic) Sheet steel, powder-coated

white (RAL 9016)

Material properties

Mechanical	
Impact resistance	IK05

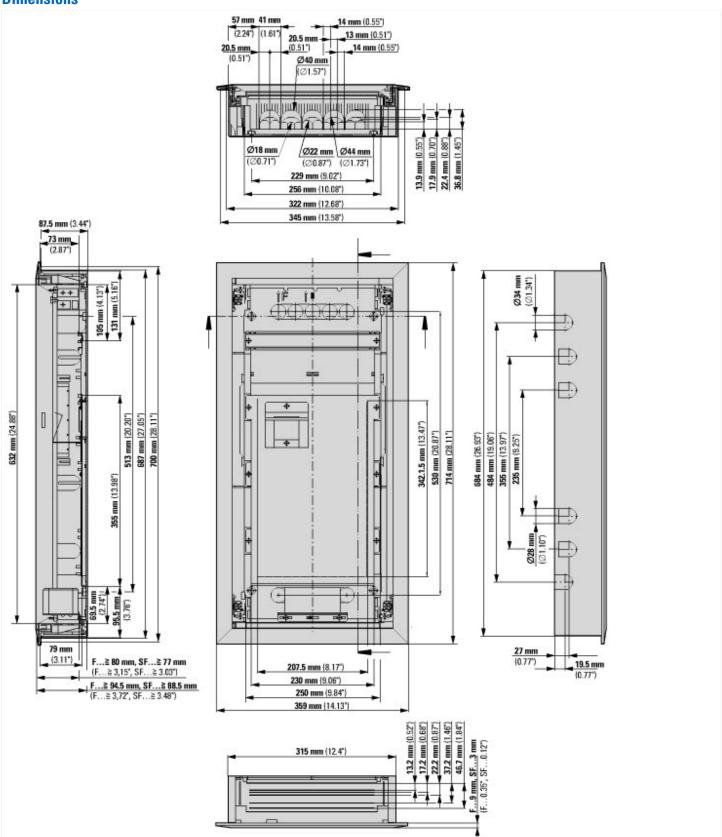
Design verification as per IEC/EN 61439

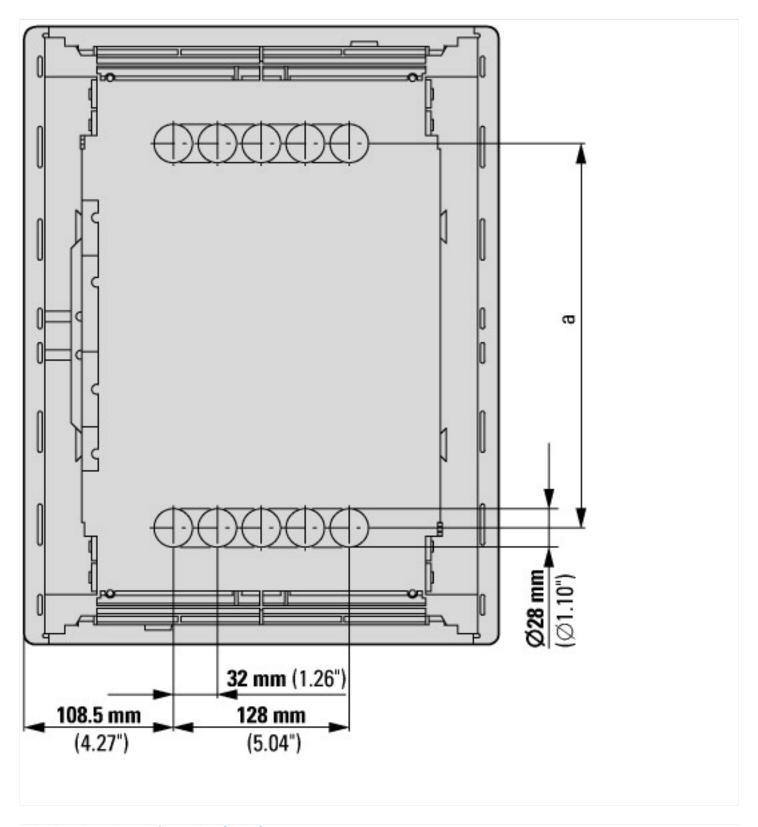
Design vermoution as per 120, 214 or 103			
Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure, flush mounting	P_{V}	W	24
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure, flush mounting	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 7.0

Data and telecommunication (EG000037) / Distributor for telecommunication (EC00	00374)		
Electric engineering, automation, process control engineering / Electrical installat	ctric 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
DIN-compatible			Yes
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

Dimensions





Additional product information (links)

IL014007Z KLV compact distribution board	
IL014007Z KLV compact distribution board	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL014007ZU2015_10.pdf
IL014008Z KLV compact distribution board	
IL014008Z KLV compact distribution board	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL014008ZU2015_10.pdf
Product overview (Web)	http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm