



Assembled hollow-wall compact distribution board, 4-rowed, flush sheet steel door

Part no. KLV-48HWP-F-2AFDD-1PXF-10PLI-1IS
Catalog No. 191062

Delivery program

Basic function			Basic device
Product function			Installation distribution boards
Product range			KLV DBO
Design			Hollow wall
Installation site			Indoor
Type of installation			Hollow-wall mounting
Door/Flap			White
Degree of Protection			IP30
Colour			White
Module rack			Rail-frame
Shroud for protection against accidental contact			Plastic
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			Screw terminals + Plug-in terminals
PE and N terminals	Number x cross- sectional area	mm ²	PE: 4 x (2.5 - 25) + 28 x (0.5 - 4) N: 4 x (2.5 - 25) + 28 x (0.5 - 4)
Equipment supplied			Wall trough Door/Frame Device support rails Front cover Neutral and protective conductor terminals with KSK plug-in terminal technology Spirit level for leveling 3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm Cable retainer Nail lugs Installation instructions Imprintable sheet 2 Brandschutzschalter AFDD-16/2/B/003-A 1 Fehlerstromschutzschalter PXF-40/4/003-A 10 Leistungsschutzschalter PLI-B16/1 1 Hauptschalter IS-63/3 Leerfeldabdeckung verdrahtet und geprüft nach EN 61439-3

Technical data

Standards			IEC/EN 62208, 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	U _e	V AC	400
Rated frequency	f	Hz	50

Material characteristics

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

Mechanical		
Impact resistance		IK05

Design verification as per IEC/EN 61439

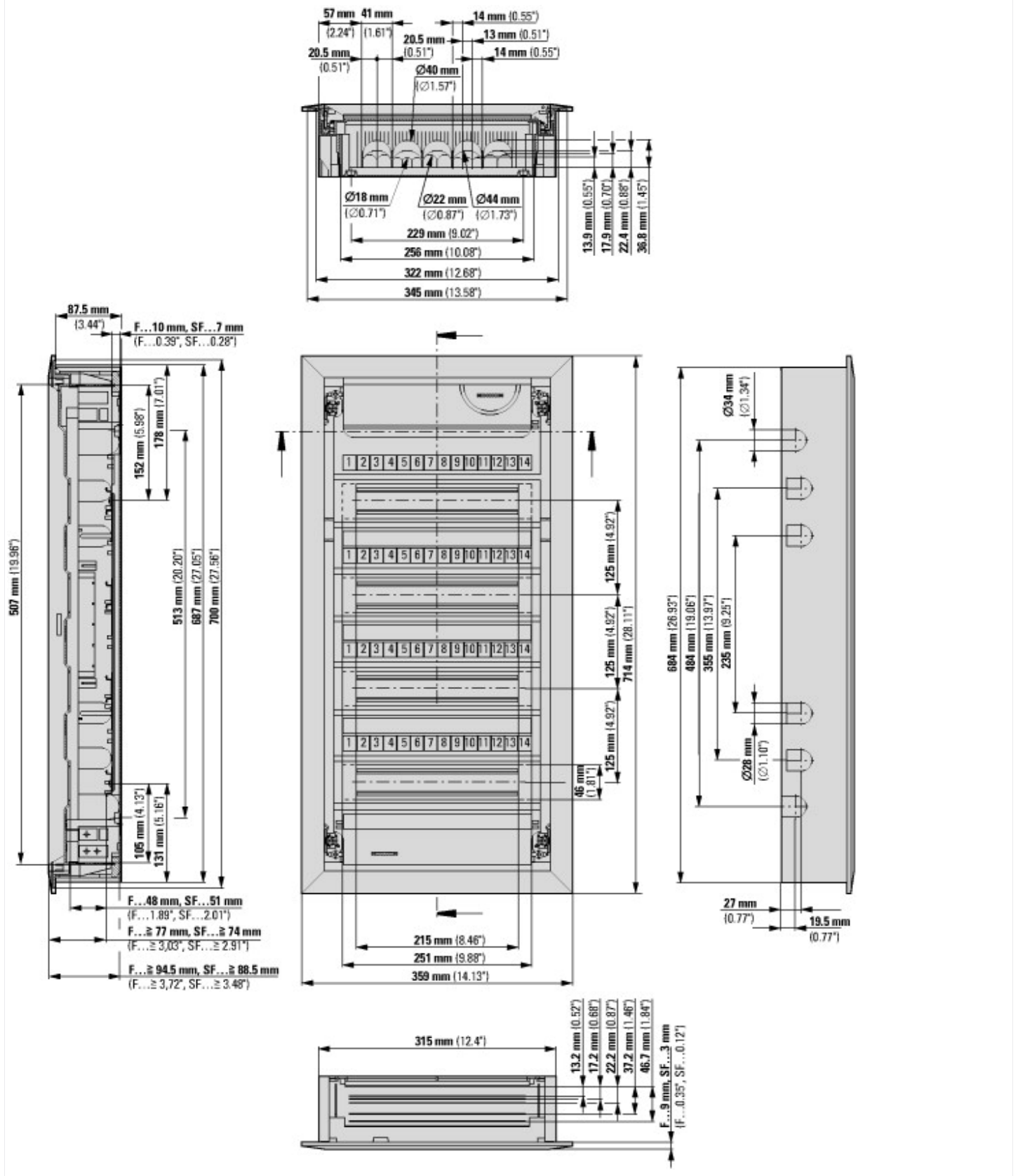
Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890			
Individual enclosure, flush mounting	P _V	CO	24
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure, flush mounting	P _V	CO	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			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

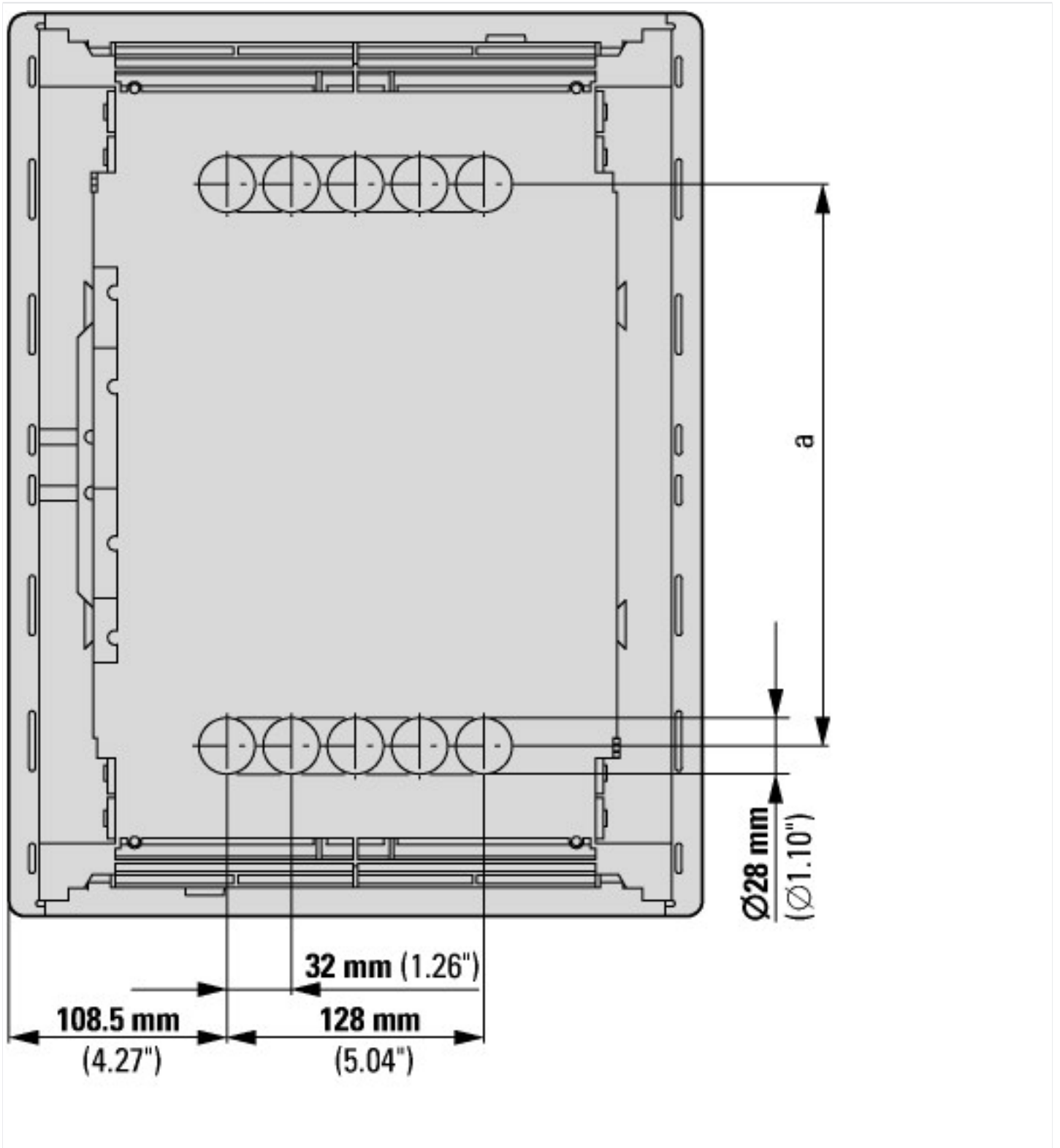
Technical data ETIM 6.0

Distribution boards (EG000023) / Small distribution board equipped (EC002288)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board equipped (ecI@ss8.1-27-14-24-15 [ACN399008])		
Number of phases		3
Protection		Miniature- / earth leakage circuit breaker
Total number of groups		10
Number of direct groups		1
Number of light groups		1
Number of groups behind earth leakage switch		10
Number of earth leakage circuit breakers		0
Number of earth leakage switches 30 mA		1
Number of earth leakage switches 300 mA		0
Number of poles main switch		3
Main switch rated current	A	50
Cooker group		None

Cooker group suitable as power current group			No
With socket outlet			No
With bell transformer			No
Over voltage protection			No
Material housing			Plastic
Degree of protection (IP)			IP30
Height		mm	715
Width		mm	360
Depth		mm	100
Extension possible			No
With transparent cover			No

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

IL014009Z KLV Compact distribution board

IL014009Z KLV Compact distribution board ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL014009ZU2015_10.pdf