## Compact distribution board-flush mounting; 1-rows; super-slim sheet steel door



Part no. KLV-12UPS-SF 178815

General specifications	
Product name	Eaton xComfort KLV energy distribution board
Part no.	KLV-12UPS-SF
EAN	4015081741441
Product Length/Depth	100 millimetre
Product height	340 millimetre
Product width	360 millimetre
Product weight	2.54 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	
Туре	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	DIN-rail Flush mounted (plaster) Flush mounting
Material	Sheet steel, powder-coated Polystyren (plastic)
Degree of protection	IP30 IK05 (impact resistance)
Number of module space units per row	12
Number of rows	1
Terminal type	Screw terminals
PE and N terminal number and cross section	PE: 13 x (0.75 mm <sup>2</sup> - 16 mm <sup>2</sup> ) N: 13 x (0.75 mm <sup>2</sup> - 16 mm <sup>2</sup> )
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	Single-rail Single-rail
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)	13 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:	Door/Frame Spirit level for leveling Installation instructions 3D adjustment element for mounting designed to adjust the mounting depth by up 18 mm Front cover Neutral and protective conductor terminals with SK screw terminal technology Nail lugs Cable retainer Device support rails Wall trough Imprintable sheet
Functions	Extension possible Basic device
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 Installation distribution board KLV energy

## **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])

Flush-mounted
1
12
Door
With notch
Single
No
No
No
Other

Built-in depth         mm         88           Built-in width         mm         0           Built-in width         mm         0           Built-in width         mm         75           Built-in width         mm         70           Built-in width			
Built-in height         mm         0           Built-in width         mm         0           Built-in width         mm         75           Built-in width         mm         75           Built-in width         mm         75           Built-in width         No         No           Built-in width         mm         75           Web train block         No         No           With mounting plate         No         Yes           EMC-version possible         Yes         Yes           EMC-version         Yes         Yes           DV resistant         No         No           Solour         No         White           SAL-number         9016         Plant of the properties of protection (IP)         Plant of the properties of protection (IP)         IP30           Height         mm         340           Witth         mm         360	Housing material		Plastic
Built-in width         mm         0           near depth         mm         75           Earthing terminal block         No         No           Neutral terminal block         No         Yes           DIN-rail         Yes         No           With mounting plate         No         Yes           EMC-version possible         Yes         Yes           EMC-version         Yes         No           Colour         White         No           ALI-number         Yes         White           Degree of protection (IP)         IP30         IP30           Height         mm         340           Width         mm         360	Built-in depth	mm	88
inner depth         mm         75           Earthing terminal block         No         No           No DIN-rail         Yes           With mounting plate         No           Extension possible         Yes           EMC-version         Yes           DIV resistant         No           Colour         No           ALI-number         White           Degree of protection (IP)         1930           Height         mm         340           Width         mm         360	Built-in height	mm	0
Searthing terminal block Neutral terminal block Neutral terminal block No DIN-rail No Extension possible Extension possible NO Extension No DIN-rail No Disparation No Disp	Built-in width	mm	0
Neutral terminal block DIN-rail No With mounting plate No Extension possible MC-version Vresistant Vresistant Vresistant No Colour RAL-number Oegree of protection (IP) Height No Mith	Inner depth	mm	75
DIN-rail With mounting plate With mounting plate Extension possible Extension possible With resistant Versitant Volume RAL-number RAL-number Degree of protection (IP) Height With With Mith Mith Mith Mith Mith Mith Mith M	Earthing terminal block		No
With mounting plate Extension possible EMC-version UV resistant Colour RAL-number Degree of protection (IP) Height With mounting plate INO	Neutral terminal block		No
Extension possible EMC-version  FOR POSSIBLE  FOR POSSIBLE	DIN-rail		Yes
EMC-version         Yes           JV resistant         No           Colour         White           RAL-number         9016           Degree of protection (IP)         IP30           Height         mm         340           Width         mm         360	With mounting plate		No
OV resistant         No           Colour         White           SAL-number         9016           Degree of protection (IP)         IP30           Height         mm         340           Width         mm         360	Extension possible		Yes
Colour         White           RAL-number         9016           Degree of protection (IP)         IP30           Height         mm         340           Width         mm         360	EMC-version		Yes
RAL-number     9016       Degree of protection (IP)     IP30       Height     mm     340       Width     mm     360	UV resistant		No
Degree of protection (IP)         IP30           Height         mm         340           Width         mm         360	Colour		White
Height mm 340 Width mm 360	RAL-number		9016
Width mm 360	Degree of protection (IP)		IP30
	Height	mm	340
Depth mm 100	Width	mm	360
	Depth	mm	100