# DATASHEET - KLV-48UPM-W-SF



**Compact distribution board-flush mounting; multimedia; 4-rows; super-flat sheet steel door WIFI**

**Part no.** KLV-48UPM-W-SF
**Catalog No.** 302546

## Delivery program

| | | | |
|---|---|---|---|
| Basic function | | | Basic device |
| Product function | | | Installation distribution boards |
| Product range | | | KLV multimedia WIFI |
| Design | | | Flush mounted |
| Installation site | | | Indoor |
| Type of installation | | | Flush 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<br>Protection Class II<br>Plastic housing with Wi-Fi door, white (RAL 9016)<br>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 |
| Equipment supplied | | | Wall trough<br>WIFI Door/Frame<br>Device support rails<br>Microperforated mounting plate<br>Device holder<br>2x single-way socket outlet<br>Spirit level for leveling<br>3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm<br>Cable retainer<br>Nail lugs<br>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)<br>Sheet steel, powder-coated |
| Colour | | | white (RAL 9016) |

### Material properties

| | | | |
|---|---|---|---|
| Mechanical | | | |
| Impact resistance | | | IK05 |

## Design verification as per IEC/EN 61439

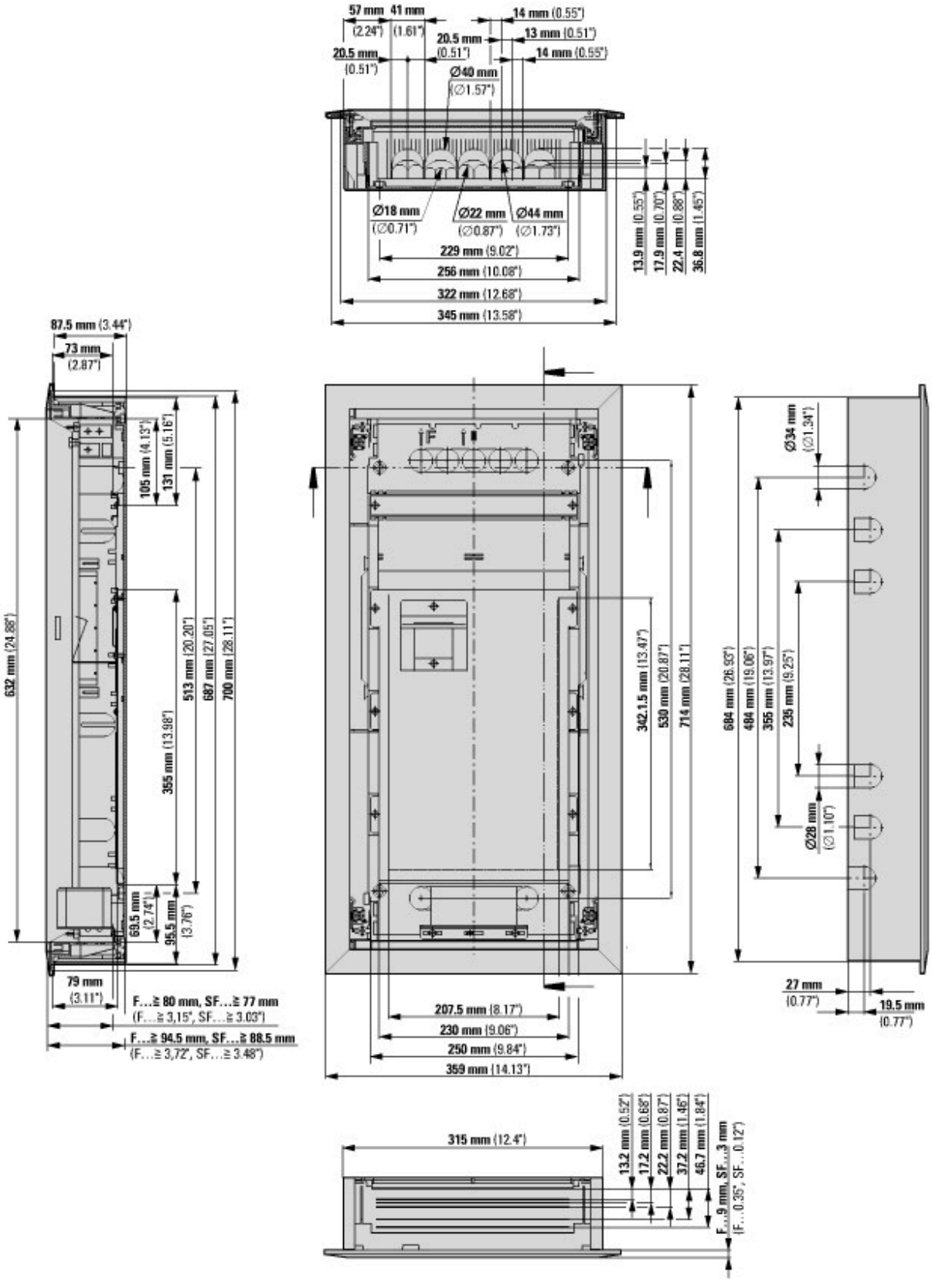
| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 | | | |

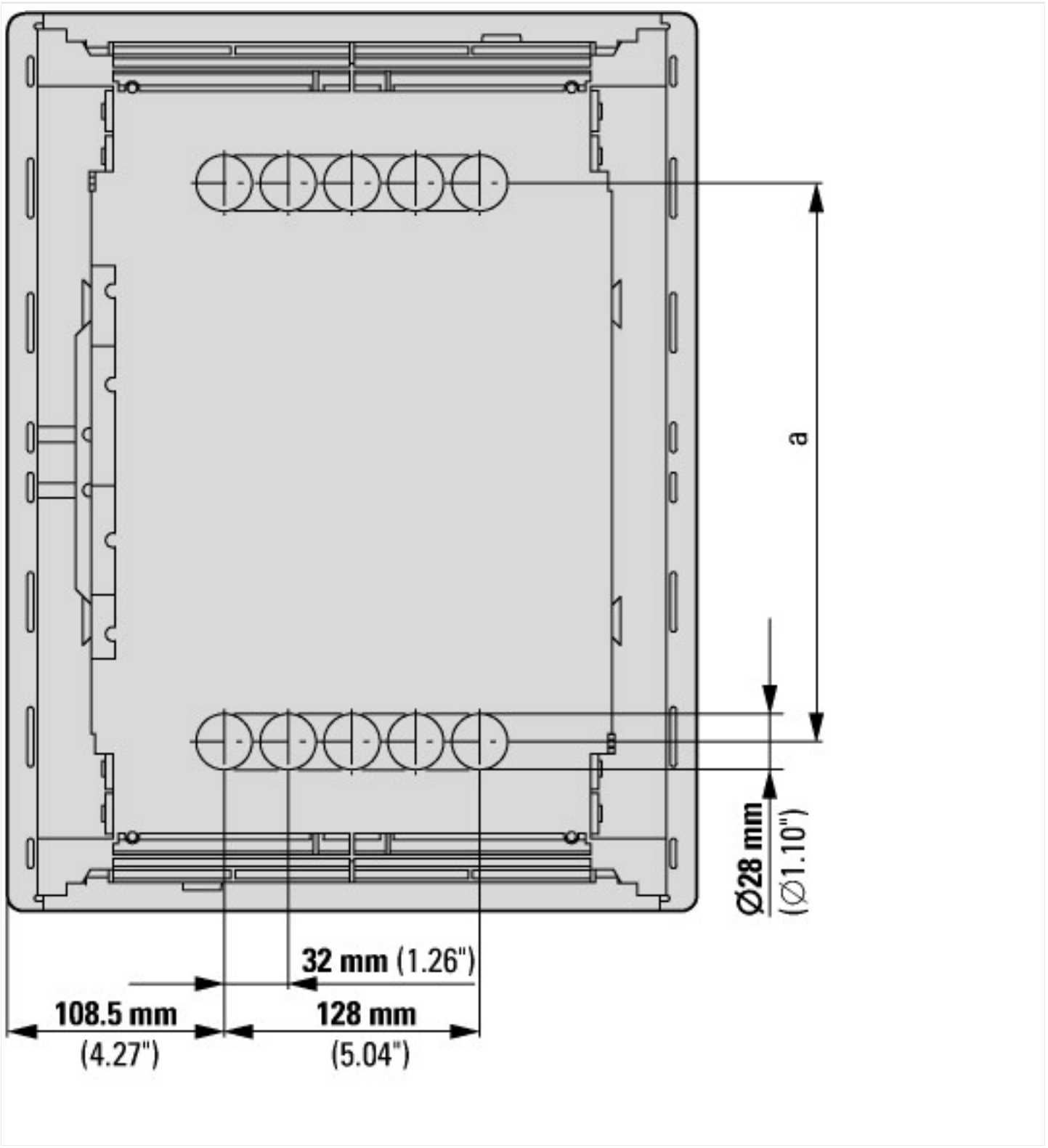
| | | | |
|---|---|---|---|
| Individual enclosure, flush mounting | $P_V$ | W | 48 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 10.2.2 Corrosion resistance | | | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability 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 | | | 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 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 (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 | | | Wall-mounted distributor |
| Mounting method | | | Flush mounted (plaster) |
| With connecting lugs | | | No |
| Max. number of dual cores | | | 0 |
| Mounting dimension (standardised) | | | Other |
| DIN-compatible | | | Yes |
| 110-compatible | | | No |
| 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 |

## Dimensions


57 mm (2.24")
41 mm (1.61")
14 mm (0.55")
20.5 mm (0.51")
13 mm (0.51")
20.5 mm (0.51")
14 mm (0.55")
Ø40 mm (Ø1.57")
Ø18 mm (Ø0.71")
Ø22 mm (Ø0.87")
Ø44 mm (Ø1.73")
229 mm (9.02")
256 mm (10.08")
322 mm (12.68")
345 mm (13.58")
13.9 mm (0.55")
17.9 mm (0.70")
22.4 mm (0.88")
36.8 mm (1.45")
87.5 mm (3.44")
73 mm (2.87")
105 mm (4.13")
131 mm (5.16")
632 mm (24.88")
513 mm (20.20")
687 mm (27.05")
700 mm (28.11")
355 mm (13.98")
69.5 mm (2.74")
95.5 mm (3.76")
79 mm (3.11")
F...≥ 80 mm, SF...≥ 77 mm
(F...≥ 3,15", SF...≥ 3.03")
F...≥ 94.5 mm, SF...≥ 88.5 mm
(F...≥ 3,72", SF...≥ 3.48")
342.1.5 mm (13.47")
530 mm (20.87")
714 mm (28.11")
207.5 mm (8.17")
230 mm (9.06")
250 mm (9.84")
359 mm (14.13")
Ø34 mm (Ø1.34")
684 mm (26.93")
484 mm (19.06")
355 mm (13.97")
235 mm (9.25")
Ø28 mm (Ø1.10")
27 mm (0.77")
19.5 mm (0.77")
315 mm (12.4")
13.2 mm (0.52")
17.2 mm (0.68")
22.2 mm (0.87")
37.2 mm (1.46")
46.7 mm (1.84")
F...9 mm, SF...3 mm
(F...0.35", SF...0.12")





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