

SKH 31 LP 250VAC RH1

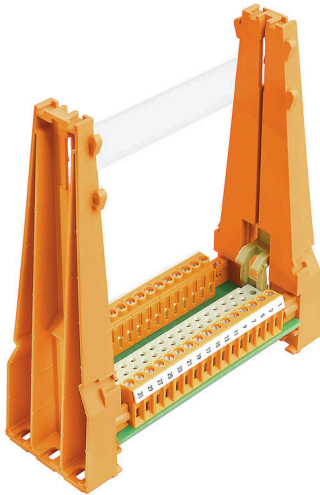
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Plug-in card holders are used to adapt cards from the Euro format (19") to connectors in compliance with IEC 603/DIN 41612 and DIN 41617.

Plug-in card holders consist of the following components:

- Circuit board with standard connectors and inserts with clamping-yoke connection.
- Flange housing and holder/pull-out mechanism for the circuit card.
- Plug-in card and mounting foot for attaching to mounting rail or directly to panel.

The plug-in card holders are normally used in the following cases:

- For quick adaptation in industrial applications of different 19" modules, and for avoiding the expense of a 19" rack.
- When there are only a few cards to install and connect.
- The circuit board is located in a remote position where the cabling cannot be easily handled.
- An older system needs to be updated with additional electronics modules.
- For test devices, production processes and laboratories: where circuit boards need to be swapped out quickly and connections must be easy to handle.

General ordering data

| | |
|------------|--|
| Version | Interface, Plug-in connector, acc. to DIN 41617 female |
| Order No. | 0648661001 |
| Type | SKH 31 LP 250VAC RH1 |
| GTIN (EAN) | 4032248046249 |
| Qty. | 1 items |

SKH 31 LP 250VAC RH1

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 144 mm | Depth (inches) | 5.6693 inch |
| Height | 48 mm | Height (inches) | 1.8898 inch |
| Width | 131 mm | Width (inches) | 5.1575 inch |
| Net weight | 154 g | | |

Temperatures

| | | | |
|---------------------|-------------|-----------------------|-----------|
| Storage temperature | -40...60 °C | Operating temperature | 0...55 °C |
|---------------------|-------------|-----------------------|-----------|

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Connection data

| | | | |
|--------------------------------|---|-------------------------------|--------------------------------------|
| Number of poles (control side) | 31-pole female | Connection (field side) | LP 5.08mm |
| Contact assembly | a and b | Design of the pluggable board | 100x160 mm euro format for 19" racks |
| Connection on control side | Plug-in connector, acc. to DIN 41617 female | | |

Rating data

| | | | |
|---------------|----------|------------------------------|-----|
| Rated voltage | 250 V UC | Rated current per connection | 4 A |
|---------------|----------|------------------------------|-----|

Insulation coordination (EN50178)

| | | | |
|-------------------------------|--------------|----------------------------|--------|
| According to | DIN EN 50178 | Rated insulation voltage | 250 V |
| Surge voltage category | II | Pollution severity level | 2 |
| Pulse voltage test (1,2/50µs) | 2.1 kV | Insulation test voltage AC | 1.2 kV |

Connection field

| | | | |
|----------------------------------|---------------------|----------------------------|---------------------|
| Min. wire cross-section, AWG | AWG 26 | Type of connection | Screw connection |
| Sleeve with plastic collar, max. | 2.5 mm ² | Flexible with sleeve, min. | 0.5 mm ² |
| Flexible with sleeve, max. | 2.5 mm ² | Flexible, max. H05(07) V-K | 4 mm ² |
| Flexible, min. H05(07) V-K | 0.5 mm ² | Solid, max. H05(07) V-U | 6 mm ² |
| Solid, min. H05(07) V-U | 0.5 mm ² | Stripping length | 6 mm |
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.5 Nm |
| Clamping range, max. | 6 mm ² | Clamping range, min. | 0.5 mm ² |
| Max. wire cross-section, AWG | AWG 12 | | |

Standard features

| | |
|--------|------------------|
| Design | DIN41617 31-pole |
|--------|------------------|

SKH 31 LP 250VAC RH1

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002780 | ETIM 9.0 | EC002780 |
| ETIM 10.0 | EC002780 | ECLASS 14.0 | 27-14-11-52 |
| ECLASS 15.0 | 27-14-11-52 | | |

SKH 31 LP 250VAC RH1

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

Drawings

www.weidmueller.com

