

SKH 31 LP 250VAC RH1

Weidmüller Interface GmbH & Co. KG

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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

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

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Technical data

Dimensions and weights

Length	47.5 mm	Length (inches)	1.87 inch
Width	131 mm	Width (inches)	5.157 inch
Height	144 mm	Height (inches)	5.669 inch
Net weight	178 g		

Temperatures

Operating temperature, max.	55 °C	Operating temperature, min.	0 °C
Storage temperature, max.	60 °C	Storage temperature, min.	-40 °C
Operating temperature	0...55 °C	Storage temperature	-40...60 °C

Connection data

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

Rating data

Rated voltage	250 V UC	Rated current per connection	4 A
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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	1.2 kVAC

Connection field

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.5 mm ²	Sleeve with plastic collar, max.	2.5 mm ²
Min. wire cross-section, AWG	AWG 26	Max. wire cross-section, AWG	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
eClass 9.0	27-14-11-52	eClass 9.1	27-24-22-92
eClass 10.0	27-14-11-52	UNSPSC	30-21-18-01

Approvals

Approvals



ROHS

Conform

Creation date May 1, 2020 2:19:33 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data**Downloads**

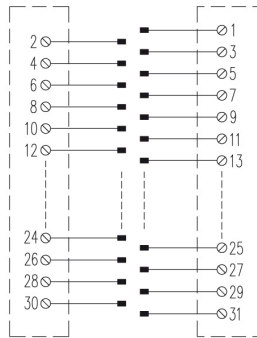
Brochure/Catalogue	CAT 4.5 ELECTR 16/17 EN
Engineering Data	WSCAD

Data sheet

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Drawings



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Accessories

TS 35



General ordering data

Type	TS 35X7.5 2M/ST/ZN	Version
Order No.	0383400000	Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190088026	
Qty.	2 m	
Type	TS 35X15/2.3 2M/ST/ZN	Version
Order No.	0498000000	Rail, TS 35, TS 35 x 15, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190042493	
Qty.	2 m	

Assembly foot



Shielding and earthing

Our protective earth conductor and shielding terminals featuring different connection technologies allow you to effectively protect both people and equipment from interference, such as electrical or magnetic fields. A comprehensive range of accessories rounds off our range.

General ordering data

Type	FM 4/TS35	Version
Order No.	0687900000	Accessories, Mounting foot, Steel, bright finish
GTIN (EAN)	4008190086459	
Qty.	40 pc(s).	