Data sheet

SKH 31 LP 250VAC RH1

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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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 needs 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

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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 mm²	Flexible with sleeve, min.	0.5 mm²
Flexible with sleeve, max.	2.5 mm²	Flexible, max. H05(07) V-K	4 mm²
Flexible, min. H05(07) V-K	0.5 mm²	Solid, max. H05(07) V-U	6 mm²
Solid, min. H05(07) V-U	0.5 mm²	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Clamping range, max.	6 mm²	Clamping range, min.	0.5 mm²
Max. wire cross-section, AWG	AWG 12		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	EC002780

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Technical data

ETIM 10.0	EC002780	ECLASS 9.0	27-14-11-52
ECLASS 9.1	27-24-22-92	ECLASS 10.0	27-14-11-52
ECLASS 11.0	27-14-11-52	ECLASS 12.0	27-14-11-52
ECLASS 13.0	27-14-11-52	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

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Drawings