

## SKH 31 LP 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 RH1
Order No.	<a href="#">0586661001</a>
Version	Interface, Plug-in connector, acc. to DIN 41617 female
GTIN (EAN)	4032248046287
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	177 g		

## Temperatures

Operating temperature	0...55 °C	Storage temperature	-40...60 °C
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## 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	125V AC / 150V DC	Rated current per connection	4 A
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## Insulation coordination (EN50178)

According to	DIN EN 50178	Rated insulation voltage	< 150 V AC
Surge voltage category	II	Pollution severity level	2
Pulse voltage test (1,2/50µs)	1.5 kV	Insulation test voltage	0.8 kVAC

## Connection field

Type of connection	Screw connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>	Flexible with sleeve, max.	2.5 mm <sup>2</sup>
Flexible with sleeve, min.	0.5 mm <sup>2</sup>	Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>
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 3.0	EC001419	ETIM 4.0	EC001421
ETIM 5.0	EC001421	ETIM 6.0	EC002780
UNSPSC	30-21-18-01	eClass 5.1	27-24-22-04
eClass 6.2	27-24-22-04	eClass 7.1	27-14-11-52
eClass 8.1	27-24-92-05	eClass 9.0	27-14-11-52
eClass 9.1	27-24-22-92		

## Product information

Descriptive text accessories	Kit for connection to TS35: Installation motherboard 2054280000 and mounting foot to TS35 0687900000
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**Data sheet****SKH 31 LP RH1****Weidmüller Interface GmbH & Co. KG**  
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Approvals



ROHS

Conform

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Brochure/Catalogue

[CAT 4.5 ELECTR 16/17 EN](#)

Engineering Data

[WSCAD](#)

**Data sheet**

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**Drawings**

