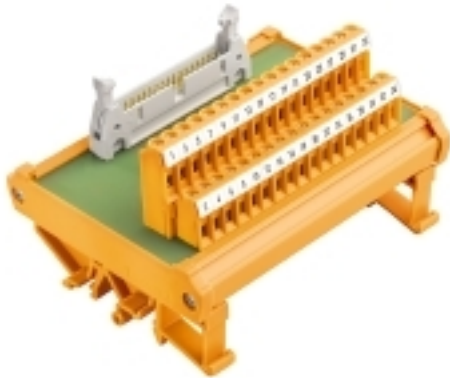


**RSF
RS F50 LP2N 5/50**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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Similar to illustration

Passive interfaces for signal transmission on a flat-cable connector equipped with a clamping-yoke connection in accordance with IEC 603-1 / DIN 41651.

The main features include:

- Group with 10- to 64-pole connectors
- One-to-one electrical connection between controller and field connections.
- Very compact modules can be attached to conventional TS35 or TS32 mounting rails.
- Longer attachment hooks

General ordering data

| | |
|------------|--|
| Type | RS F50 LP2N 5/50 |
| Order No. | 0224561001 |
| Version | Interface, RSF, Plug-in connector in acc. with IEC60603-13 / DIN41651, 50-pole, Screw connection |
| GTIN (EAN) | 4032248047031 |
| Qty. | 1 pc(s). |

Creation date April 27, 2020 7:04:34 AM CEST

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

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Technical data**Dimensions and weights**

| | | | |
|------------|--------|-----------------|------------|
| Length | 145 mm | Length (inches) | 5.709 inch |
| Width | 87 mm | Width (inches) | 3.425 inch |
| Height | 70 mm | Height (inches) | 2.756 inch |
| Net weight | 260 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 |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Connection Data

| | | | |
|----------------------------|---|--------------------------------|---------|
| Connection on control side | Plug-in connector in acc. with IEC60603-13 / DIN4 165 1 | Number of poles (control side) | 50-pole |
| Connection (field side) | LP2N 5.08mm | Earthing | No |

Rating data

| | | | |
|---------------|-------------------|------------------------------|-----|
| Rated voltage | 60 V AC / 75 V DC | Rated current per connection | 1 A |
|---------------|-------------------|------------------------------|-----|

Insulation coordination (EN50178)

| | | | |
|-------------------------------|--------------|--------------------------|-------|
| According to | DIN EN 50178 | Rated insulation voltage | 100 V |
| Surge voltage category | II | Pollution severity level | 2 |
| Pulse voltage test (1,2/50µs) | 0.8 kV | | |

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 | 27-14-11-52 |
| eClass 10.0 | 27-14-11-52 | UNSPSC | 30-21-18-01 |

Data sheet**RSF
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Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[K318_01_11.pdf](#)

Brochure/Catalogue

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

Engineering Data

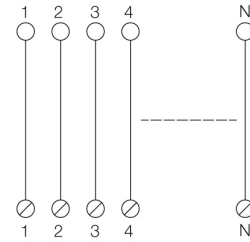
[WSCAD](#)

Data sheet

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Drawings



N: Number of poles