

**RS F50 LP3R 3/51****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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 triple-level modules can be attached to conventional TS35 or TS32 mounting rails.
- Longer attachment hooks
- Pin for the earth connection.

**General ordering data**

|            |                                                                                                  |
|------------|--------------------------------------------------------------------------------------------------|
| Version    | Interface, RSF, Plug-in connector in acc. with IEC60603-13 / DIN41651, 50-pole, Screw connection |
| Order No.  | <a href="#">8012950000</a>                                                                       |
| Type       | RS F50 LP3R 3/51                                                                                 |
| GTIN (EAN) | 4008190126810                                                                                    |
| Qty.       | 1 pc(s).                                                                                         |

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## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 76 mm    | Depth (inches)  | 2.992 inch |
| Height     | 87 mm    | Height (inches) | 3.425 inch |
| Width      | 95 mm    | Width (inches)  | 3.74 inch  |
| Net weight | 193.79 g |                 |            |

## Temperatures

|                     |             |                       |           |
|---------------------|-------------|-----------------------|-----------|
| Storage temperature | -40...70 °C | Operating temperature | 0...55 °C |
|---------------------|-------------|-----------------------|-----------|

## Rated data UL

|                                |                     |                                |      |
|--------------------------------|---------------------|--------------------------------|------|
| Operating temperature UL, max. | 25 °C               | Operating temperature UL, min. | 0 °C |
| Rated current $I_N$            | 1 A                 | Rated current $I_{max}$        | 1 A  |
| Rated voltage $U_N$            | ≤ 60 V AC / 75 V DC |                                |      |

## Connection Data

|                             |                    |                                |                                                       |
|-----------------------------|--------------------|--------------------------------|-------------------------------------------------------|
| Connection (field side)     | LL3R 5.08 mm       | Connection on control side     | Plug-in connector in acc. with IEC60603-13 / DIN41651 |
| Earthing                    | Yes                | Number of poles (control side) | 50-pole                                               |
| Protective earth connection | Flat-blade contact |                                |                                                       |

## 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

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002780    | ETIM 7.0    | EC002780    |
| ETIM 8.0    | EC002780    | ETIM 9.0    | EC002780    |
| ETIM 10.0   | EC002780    | ECLASS 9.0  | 27-14-11-52 |
| ECLASS 9.1  | 27-14-11-52 | 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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|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6c                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 7b5ffb72-271d-4c73-8b09-bd0aeee3697a |

**Approvals**

Approvals



|                       |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID       | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/</a> |
| ROHS                  | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (UR)  | E141197                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

|                                             |                                                                   |
|---------------------------------------------|-------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a>                         |
| Product Change Notification                 | <a href="#">20201111 Technical change to RSF S Compact family</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                          |

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## Drawings

