

**RSF**  
**RS F40 LP3R 3/42**

**Weidmüller Interface GmbH & Co. KG**  
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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**

|            |   |
|------------|---|
| Type       | RS F40 LP3R 3/42  |
| Order No.  | <a href="#">8012940000</a>  |
| Version    | Interface, RSF, Connector according IEC60603-13/DIN41651, 40-pole, Screw connection |
| GTIN (EAN) | 4008190175337   |
| Qty.       | 1 pc(s).  |

## Data sheet

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## Technical data

### Dimensions and weights

|        |       |            |       |
|--------|-------|------------|-------|
| Length | 80 mm | Width      | 87 mm |
| Height | 76 mm | Net weight | 210 g |

### Temperatures

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

### Connection Data

|                             |  |                                |         |
|-----------------------------|--|--------------------------------|---------|
| Connection on control side  | Connector according IEC60603-13/DIN41651 | Number of poles (control side) | 40-pole |
| Connection (field side)     | LP3R 5.08mm                              | Earthing                       | Yes     |
| 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

|                                      |                     |                                      |                      |
|--------------------------------------|---------------------|--------------------------------------|----------------------|
| 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 [field] | AWG 26              | Max. wire cross-section, AWG [field] | AWG 12               |
| Tightening torque, min.              | 0.5 Nm              | Tightening torque, max.              | 0.6 Nm               |
| Stripping length                     | 6 mm                |                                      |                      |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001419    | UNSPSC     | 30-21-18-01 |
| eClass 5.1 | 27-24-22-04 | eClass 6.2 | 27-24-22-04 |
| eClass 7.1 | 27-24-22-04 |            |             |

### Product information

|                              |  |
|------------------------------|--|
| Descriptive text accessories | Refer to the "Universal cables PAC-UNIV" section in this chapter |
|------------------------------|--|

### Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

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**Drawings**

