

**RSF**  
**RS F20 LP3R 3/21**

**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 F20 LP3R 3/21
Order No.	<a href="#">8012910000</a>
Version	Interface, RSF, Connector according IEC60603-13/DIN41651, 20-pole, Screw connection
GTIN (EAN)	4008190149505
Qty.	1 pc(s).

# Data sheet

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# Technical data

### Dimensions and weights

Length	50 mm	Width	87 mm
Height	76 mm	Net weight	130 g

### Temperatures

Operating temperature	0...+55°C	Storage temperature	-40...+70 °C
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### Connection Data

Connection on control side	Connector according IEC60603-13/DIN41651	Number of poles (control side)	20-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
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### 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
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### Approvals

Approvals



ROHS	Conform
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**Drawings**

