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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## RSF RS F20 LP3R 3/21

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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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**Data sheet**

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

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**Drawings**

