RSF
RS F50 LP3R 3/51

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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 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 F50 LP3R 3/51
Order No.	8012950000
Version	Interface, RSF, Plug-in connector in acc. with IEC60603-13 / DIN41651, 50-pole, Screw connection
GTIN (EAN)	4008190126810
Qty.	1 pc(s).

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Technical data

Dimensions and weights

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

Temperatures

Operating temperature, max.	55 °C	Operating temperature, min.	0 °C
Storage temperature, max.	70 °C	Storage temperature, min.	-40 °C
Operating temperature	0...55 °C	Storage temperature	-40...70 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Connection Data

Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651	Number of poles (control side)	50-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 mm²
Clamping range, max.	6 mm²	Solid, min. H05(07) V-U	0.5 mm²
Solid, max. H05(07) V-U	6 mm²	Flexible, min. H05(07) V-K	0.5 mm²
Flexible, max. H05(07) V-K	4 mm²	Flexible with sleeve, max.	2.5 mm²
Flexible with sleeve, min.	0.5 mm²	Sleeve with plastic collar, max.	2.5 mm²
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 3.0	EC001419	ETIM 4.0	EC001419
ETIM 5.0	EC001419	ETIM 6.0	EC002780
UNSPSC	30-21-18-01	eClass 5.1	27-24-22-04
eClass 6.2	27-24-22-04	eClass 7.1	27-14-11-52
eClass 8.1	27-14-11-52	eClass 9.0	27-14-11-52
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Technical data

Approvals

Approvals	
ROHS	Conform

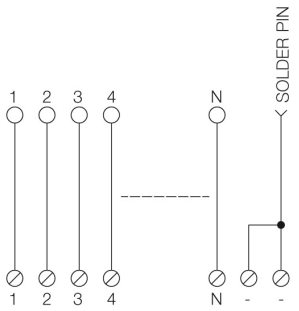
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Approval/Certificate/Document of Conformity	K318_01_11.pdf
Engineering Data	WSCAD

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Drawings



N: Number of poles