

RS SD50B LP3R**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

Passive interfaces for signal transmission on a SubD connector equipped with a clamping-yoke connection in accordance with IEC 807-2 / DIN 41652. The main features include:

- Group with 9-, 15-, 37- and 50-pole male and female 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.
- Pin on SubD for the earth connection.

General ordering data

Version	Interface, RSSD, D-sub connectors, acc. to IEC 60807 / DIN 41652, 50-pole female, Screw connection
Order No.	8019920000
Type	RS SD50B LP3R
GTIN (EAN)	4008190108922
Qty.	1 pc(s).

Creation date January 30, 2022 7:20:17 AM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	80 mm	Depth (inches)	3.15 inch
Height	87 mm	Height (inches)	3.425 inch
Width	100 mm	Width (inches)	3.937 inch
Net weight	265 g		

Temperatures

Storage temperature	-40...70 °C	Operating temperature	0...55 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Operating temperature UL, max.	50 °C	Operating temperature UL, min.	0 °C
Rated current I_{max}	1 A	Rated voltage U_N	60 V

Connection Data

Connection (field side)	LL3R 5.08 mm	Connection on control side	D-sub connectors, acc. to IEC 60807 / DIN 41652
Earthing	Yes	Number of poles (control side)	50-pole female
Protective earth connection	Flat-blade contact		

Rating data

Rated voltage	100 V	Rated current per connection	1.5 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

Clamping range, max.	6 mm ²	Clamping range, min.	0.13 mm ²
Flexible with sleeve, max.	2.5 mm ²	Flexible with sleeve, min.	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm ²	Solid, max. H05(07) V-U	6 mm ²
Solid, min. H05(07) V-U	0.5 mm ²	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	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		

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of
Conformity

[Declaration of Conformity](#)

Engineering Data

[WSCAD](#)

Product Change Notification

[20201110 Technical change to RSSD Compact family](#)

Catalogues

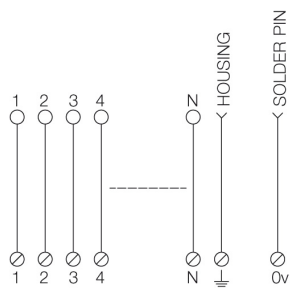
[Catalogues in PDF-format](#)

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Drawings



N: Number of poles

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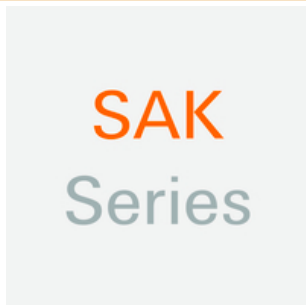
Germany

www.weidmueller.com**Accessories****Aluminum**

Aluminum has the second best electrical conductivity after copper. One advantage is low weight, another is outstanding corrosion protection.

General ordering data

Type	TS 32X15 2M/AL/BK	Version
Order No.	0169300000	Rail, TS 32, without slot, Aluminium, untreated
GTIN (EAN)	4008190105167	
Qty.	2 m	

SAK-Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

Type	EW 35	Version
Order No.	0383560000	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	

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Accessories

Steel



Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

General ordering data

Type	TS 35X7.5 2M/ST/ZN	Version
Order No.	0383400000	Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190088026	passivated
Qty.	2 m	
Type	TS 35X15/LL 1M/ST/ZN	Version
Order No.	0236510000	Rail, TS 35, TS 35 x 15, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190017699	passivated
Qty.	1 m	
Type	TS 35X15/LL 2M/ST/ZN	Version
Order No.	0236500000	Rail, TS 35, TS 35 x 15, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190183967	passivated
Qty.	2 m	
Type	TS 35X15/2.3 2M/ST/ZN	Version
Order No.	0498000000	Rail, TS 35, TS 35 x 15, without slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190042493	passivated
Qty.	2 m	
Type	TS 35X15 2M/ST/ZN	Version
Order No.	0236400000	Rail, TS 35, TS 35 x 15, without slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190114558	passivated
Qty.	2 m	
Type	TS 35X7.5/LL 2M/ST/ZN	Version
Order No.	0514500000	Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190046019	passivated
Qty.	2 m	
Type	TS 35X7.5 1M/ST/ZN	Version
Order No.	0383410000	Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanized, chromium-
GTIN (EAN)	4008190115623	plated
Qty.	1 m	
Type	TS 35X7.5/LL 1M/ST/ZN	Version
Order No.	0514510000	Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190116620	passivated
Qty.	1 m	

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Accessories

TS 32

TS 32

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General ordering data

Type	EWK 2	Version
Order No.	0199360000	Accessories, End bracket
GTIN (EAN)	4008190023546	
Qty.	50 pc(s).	
Type	EWK 1 ALT	Version
Order No.	0495160000	Accessories, End bracket
GTIN (EAN)	4008190160777	
Qty.	50 pc(s).	
Type	EWK 1	Version
Order No.	0206160000	Accessories, End bracket
GTIN (EAN)	4008190080020	
Qty.	50 pc(s).	
Type	WEW 32/1	Version
Order No.	1067600000	W-Series, End bracket
GTIN (EAN)	4008190099657	
Qty.	50 pc(s).	

Steel



Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

General ordering data

Type	TS 32X15 2M/ST/ZN	Version
Order No.	0122800000	Rail, TS 32, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190066307	
Qty.	2 m	
Type	TS 32X15/LL 2M/ST/ZN	Version
Order No.	0514400000	Rail, TS 32, with slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190086152	
Qty.	2 m	

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Aluminum has the second best electrical conductivity after copper. One advantage is low weight, anMiscellaneous is outstanding corrosion protection.

General ordering data

Type	TS 35X7.5 2M/AL/BK	Version
Order No.	0330800000	Rail, TS 35, TS 35 x 7.5, without slot, Aluminium, untreated
GTIN (EAN)	4008190100650	
Qty.	2 m	

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