

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.	<a href="#">8019920000</a>
Type	RS SD50B LP3R
GTIN (EAN)	4008190108922
Qty.	1 pc(s).

## RS SD50B LP3R

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## 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
---------------------	-------------	-----------------------	-----------

## 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
---------------	-------	------------------------------	-------

## 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 <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Flexible with sleeve, max.	2.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	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	ETIM 9.0	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
ECLASS 12.0	27-14-11-52	ECLASS 13.0	27-14-11-52

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Approvals**

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (UR) E141197

**Downloads**Approval/Certificate/Document of Con-  
formity[Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Product Change Notification

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

Catalogues

[Catalogues in PDF-format](#)

## RS SD50B LP3R

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings



N: Number of poles

## RS SD50B LP3R

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

## Aluminum



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

## General ordering data

Type	TS 32X15 2M/AL/BK	Version
Order No.	<a href="#">0169300000</a>	Terminal rail, without slot, Accessories, 33 x 15 x 2000 mm,
GTIN (EAN)	4008190105167	Aluminium, untreated
Qty.	2 m	

## 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.	<a href="#">0383400000</a>	Terminal rail, without slot, Accessories, 35 x 7.5 x 2000 mm, Steel,
GTIN (EAN)	4008190088026	galvanic zinc plated and passivated
Qty.	2 m	
Type	TS 35X7.5/LL 1M/ST/ZN	Version
Order No.	<a href="#">0514510000</a>	Terminal rail, with slot, Accessories, 35 x 7.5 x 1000 mm, Slit width:
GTIN (EAN)	4008190116620	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	1 m	passivated
Type	TS 35X15/LL 2M/ST/ZN	Version
Order No.	<a href="#">0236500000</a>	Terminal rail, with slot, Accessories, 35 x 15 x 2000 mm, Slit width:
GTIN (EAN)	4008190183967	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated
Type	TS 35X7.5 1M/ST/ZN	Version
Order No.	<a href="#">0383410000</a>	Terminal rail, without slot, Accessories, 35 x 7.5 x 1000 mm, Steel,
GTIN (EAN)	4008190115623	galvanized, chromium-plated
Qty.	1 m	
Type	TS 35X15/LL 1M/ST/ZN	Version
Order No.	<a href="#">0236510000</a>	Terminal rail, with slot, Accessories, 35 x 15 x 1000 mm, Slit width:
GTIN (EAN)	4008190017699	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	1 m	passivated

## RS SD50B LP3R

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

Type	TS 35X7.5/LL 2M/ST/ZN	Version
Order No.	<a href="#">0514500000</a>	Terminal rail, with slot, Accessories, 35 x 7.5 x 2000 mm, Slit width:
GTIN (EAN)	4008190046019	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated
Type	TS 35X15/2.3 2M/ST/ZN	Version
Order No.	<a href="#">0498000000</a>	Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, Steel,
GTIN (EAN)	4008190042493	galvanic zinc plated and passivated
Qty.	2 m	
Type	TS 35X15 2M/ST/ZN	Version
Order No.	<a href="#">0236400000</a>	Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, Steel,
GTIN (EAN)	4008190114558	galvanic zinc plated and passivated
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.	<a href="#">0383560000</a>	End bracket, Wemid, beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190181314	
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/LL 2M/ST/ZN	Version
Order No.	<a href="#">0514400000</a>	Terminal rail, with slot, Accessories, 33 x 15 x 2000 mm, Slit width:
GTIN (EAN)	4008190086152	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated

## RS SD50B LP3R

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Accessories

Type	TS 32X15 2M/ST/ZN	Version
Order No.	<a href="#">0122800000</a>	Terminal rail, without slot, Accessories, 33 x 15 x 2000 mm, Steel,
GTIN (EAN)	4008190066307	galvanic zinc plated and passivated
Qty.	2 m	

## 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 35X7.5 2M/AL/BK	Version
Order No.	<a href="#">0330800000</a>	Terminal rail, without slot, Accessories, 35 x 7.5 x 2000 mm,
GTIN (EAN)	4008190100650	Aluminium, untreated
Qty.	2 m	

## TS 32



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	WEW 32/1	Version
Order No.	<a href="#">1067600000</a>	End bracket, PA 66 GF 30, dark beige, Rail: TS 32, when screwed in
GTIN (EAN)	4008190099657	
Qty.	50 pc(s).	
Type	EWK 1	Version
Order No.	<a href="#">0206160000</a>	End bracket, Wemid, beige, Rail: TS 32, when screwed in
GTIN (EAN)	4008190080020	
Qty.	50 pc(s).	
Type	EWK 2	Version
Order No.	<a href="#">0199360000</a>	End bracket, Wemid, beige, Rail: TS 32, when screwed in
GTIN (EAN)	4008190023546	
Qty.	50 pc(s).	

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories**

Type	EWK 1 ALT	Version	
Order No.	<a href="#">0495160000</a>	End bracket, Polyamide 66, beige, Rail: TS 32, when screwed in	
GTIN (EAN)	4008190160777		
Qty.	50 pc(s).		