RS SD50S LP3R

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 plug, Screw connection
Order No.	8019970000
Type	RS SD50S LP3R
GTIN (EAN)	4008190039554
Qty.	1 items

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RS SD50S LP3R

Technical data

Approvals

Approvals	CE UR
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E141197

Dimensions and weights

Depth	80 mm	Depth (inches)	3.1496 inch
Height	87 mm	Height (inches)	3.4252 inch
Width	145 mm	Width (inches)	5.7086 inch
Net weight	258 g		

Temperatures

Storage temperature	-40...70 °C	Operating temperature	0...55 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6al, 6c
REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a

Rated data UL

Rated current IN	1 A	Operating temperature UL, min.	0 °C
Operating temperature UL, max.	25 °C	Rated current Imax	1 A
Rated voltage UN	64 V		

Connection Data

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

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

Min. wire cross-section, AWG	AWG 26	Type of connection	Screw connection
Sleeve with plastic collar, max.	2.5 mm²	Flexible with sleeve, min.	0.5 mm²
Flexible with sleeve, max.	2.5 mm²	Flexible, max. H05(07) V-K	4 mm²
Flexible, min. H05(07) V-K	0.5 mm²	Solid, max. H05(07) V-U	6 mm²

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Technical data

Solid, min. H05(07) V-U	0.5 mm²	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Clamping range, max.	6 mm²	Clamping range, min.	0.5 mm²
Max. wire cross-section, AWG	AWG 12		

Standard features

Design	Plug

Classifications

ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	EC002780	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

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Catalogue status / Drawings

RS SD50S LP3R

Drawings

N: Number of poles
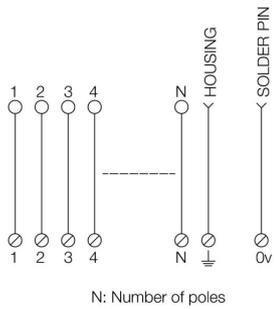
RS SD50S LP3R

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 32X15 2M/ST/ZN	Version	
Order No.	0122800000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,	
GTIN (EAN)	4008190066307	Width: 2000 mm, Height: 33 mm, Depth: 15 mm	
Qty.	20 M		

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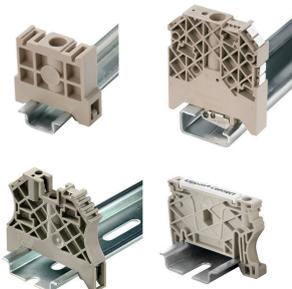
Aluminum has the second best electrical conductivity after copper. One advantage is low weight, anMiscellaneous is outstanding corrosion protection.

General ordering data

Type	TS 32X15 2M/AL/BK	Version	
Order No.	0169300000	Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm,	
GTIN (EAN)	4008190105167	Height: 33 mm, Depth: 15 mm	
Qty.	20 M		

End bracket

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	EWK 2	Version	
Order No.	0199360000	End bracket, beige, TS 32, V-0, Wemid, Width: 15 mm, 100 °C	
GTIN (EAN)	4008190023546		
Qty.	50 ST		

RS SD50S LP3R

Accessories

Type	EWK 1	Version	
Order No.	0206160000	End bracket, beige, TS 32, V-0, Wemid, Width: 9 mm, 100 °C	
GTIN (EAN)	4008190080020		
Qty.	50 ST		

Steel

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General ordering data

Type	TS 35X15 2M/ST/ZN	Version
Order No.	0236400000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190114558	Width: 2000 mm, Height: 35 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 35X15/LL 2M/ST/ZN	Version
Order No.	0236500000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190183967	Width: 2000 mm, Height: 35 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 35X15/LL 1M/ST/ZN	Version
Order No.	0236510000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190017699	Width: 1000 mm, Height: 35 mm, Depth: 15 mm
Qty.	10 M	

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 35X7.5 2M/AL/BK	Version
Order No.	0330800000	Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm,
GTIN (EAN)	4008190100650	Height: 35 mm, Depth: 7.5 mm
Qty.	40 M	

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Accessories

Steel

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General ordering data

Type	TS 35X7.5 2M/ST/ZN	Version	
Order No.	0383400000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,	
GTIN (EAN)	4008190088026	Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm	
Qty.	40 M		
Type	TS 35X7.5 1M/ST/ZN	Version	
Order No.	0383410000	Terminal rail, Accessories, Steel, galvanized, chromium-plated, Width:	
GTIN (EAN)	4008190115623	1000 mm, Height: 35 mm, Depth: 7.5 mm	
Qty.	20 M		

End bracket

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General ordering data

| Type	EW 35	Version	
Order No.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C	
GTIN (EAN)	4008190181314		
Qty.	50 ST		
Type	EWK 1 ALT	Version	
Order No.	0495160000	End bracket, beige, TS 32, V-2, Polyamide 66, Width: 8 mm, 100 °C	
GTIN (EAN)	4008190160777		
Qty.	50 ST		

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Accessories

Steel

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General ordering data

Type	TS 35X15/2.3 2M/ST/ZN	Version
Order No.	0498000000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190042493	Width: 2000 mm, Height: 35 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 32X15/LL 2M/ST/ZN	Version
Order No.	0514400000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190086152	Width: 2000 mm, Height: 33 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 35X7.5/LL 2M/ST/ZN	Version
Order No.	0514500000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190046019	Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm
Qty.	40 M	
Type	TS 35X7.5/LL 1M/ST/ZN	Version
Order No.	0514510000	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190116620	Width: 1000 mm, Height: 35 mm, Depth: 7.5 mm
Qty.	20 M	
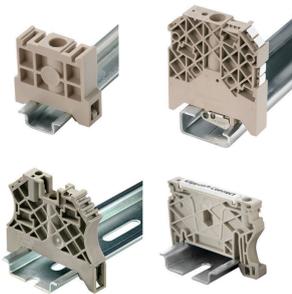
End bracket

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General ordering data

Type	WEW 32/1	Version
Order No.	1067600000	End bracket, dark beige, TS 32, V-2, PA 66 GF 30, Width: 12 mm,
GTIN (EAN)	4008190099657	100 °C
Qty.	50 ST	