

**RS SD50S 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 plug, Screw connection |
| Order No.  | <a href="#">8019970000</a>                                                                       |
| Type       | RS SD50S LP3R                                                                                    |
| GTIN (EAN) | 4008190039554                                                                                    |
| Qty.       | 1 pc(s).                                                                                         |

Creation date January 30, 2022 7:23:14 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      | 145 mm | Width (inches)  | 5.709 inch |
| Net weight | 258 g  |                 |            |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## 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 plug                                    |
| 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.         | 0.13 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    | 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

[CAD data – STEP](#)

Engineering Data

[WSCAD](#)

Product Change Notification

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

Catalogues

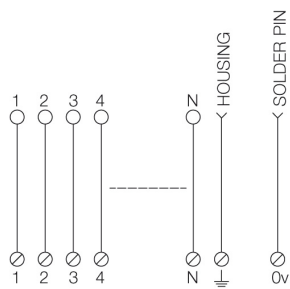
[Catalogues in PDF-format](#)

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## Drawings



N: Number of poles

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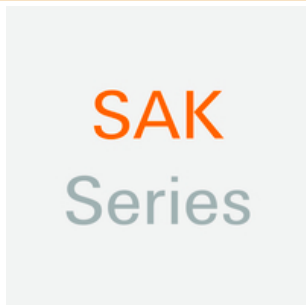
Germany

[www.weidmueller.com](http://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> | 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.  | <a href="#">0383560000</a> | 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.  | <a href="#">0383400000</a> | 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.  | <a href="#">0236510000</a> | 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.  | <a href="#">0236500000</a> | 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.  | <a href="#">0498000000</a> | 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.  | <a href="#">0236400000</a> | 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.  | <a href="#">0514500000</a> | 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.  | <a href="#">0383410000</a> | 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.  | <a href="#">0514510000</a> | 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.  | <a href="#">0199360000</a> | Accessories, End bracket |
| GTIN (EAN) | 4008190023546              |                          |
| Qty.       | 50 pc(s).                  |                          |
| Type       | EWK 1 ALT                  | Version                  |
| Order No.  | <a href="#">0495160000</a> | Accessories, End bracket |
| GTIN (EAN) | 4008190160777              |                          |
| Qty.       | 50 pc(s).                  |                          |
| Type       | EWK 1                      | Version                  |
| Order No.  | <a href="#">0206160000</a> | Accessories, End bracket |
| GTIN (EAN) | 4008190080020              |                          |
| Qty.       | 50 pc(s).                  |                          |
| Type       | WEW 32/1                   | Version                  |
| Order No.  | <a href="#">1067600000</a> | 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.  | <a href="#">0122800000</a> | 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.  | <a href="#">0514400000</a> | Rail, TS 32, with slot, Steel, galvanic zinc plated and passivated    |
| GTIN (EAN) | 4008190086152              |                                                                       |
| Qty.       | 2 m                        |                                                                       |

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**General ordering data**

|            |                            |                                                              |
|------------|----------------------------|--------------------------------------------------------------|
| Type       | TS 35X7.5 2M/AL/BK         | Version                                                      |
| Order No.  | <a href="#">0330800000</a> | Rail, TS 35, TS 35 x 7.5, without slot, Aluminium, untreated |
| GTIN (EAN) | 4008190100650              |                                                              |
| Qty.       | 2 m                        |                                                              |



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