

**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).                                                                                           |

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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 | 265 g  |                 |            |

## Temperatures

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

## Rated data UL

|                                |       |                                |      |
|--------------------------------|-------|--------------------------------|------|
| Operating temperature UL, max. | 25 °C | Operating temperature UL, min. | 0 °C |
| Rated current $I_N$            | 1 A   | Rated current $I_{max}$        | 1 A  |
| Rated voltage $U_N$            | 64 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 |
|---------------|-------|------------------------------|-------|

## 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    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-14-11-52 |
| ECLASS 15.0 | 27-14-11-52 |             |             |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Environmental Product Compliance**

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 6a1, 6c                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 7b5ffb72-271d-4c73-8b09-bd0aeee3697a |

**Approvals**

Approvals



|                       |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID       | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319262/-T1z1mm-S800/</a> |
| ROHS                  | Conform                                                                                                                                                                                                                                                                                                                                                 |
| UL File Number Search | UL Website                                                                                                                                                                                                                                                                                                                                              |
| Certificate No. (UR)  | E141197                                                                                                                                                                                                                                                                                                                                                 |

**Downloads**

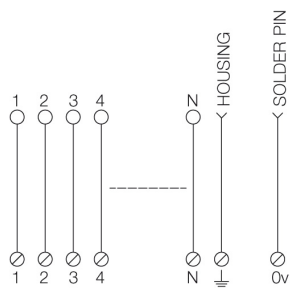
|                                             |                                                                  |
|---------------------------------------------|------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a>                        |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                  |
| Product Change Notification                 | <a href="#">20201110 Technical change to RSSD Compact family</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                         |

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## Drawings



N: Number of poles

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## 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 35X7.5 2M/AL/BK         | Version                                                           |
| Order No.  | <a href="#">0330800000</a> | Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm, |
| GTIN (EAN) | 4008190100650              | Height: 35 mm, Depth: 7.5 mm                                      |
| Qty.       | 40 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 35X15/LL 2M/ST/ZN       | Version                                                                 |
| Order No.  | <a href="#">0236500000</a> | 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 35X7.5 1M/ST/ZN         | Version                                                                 |
| Order No.  | <a href="#">0383410000</a> | Terminal rail, Accessories, Steel, galvanized, chromium-plated, Width:  |
| GTIN (EAN) | 4008190115623              | 1000 mm, Height: 35 mm, Depth: 7.5 mm                                   |
| Qty.       | 20 m                       |                                                                         |
| Type       | TS 35X15/2.3 2M/ST/ZN      | Version                                                                 |
| Order No.  | <a href="#">0498000000</a> | 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 35X7.5/LL 1M/ST/ZN      | Version                                                                 |
| Order No.  | <a href="#">0514510000</a> | 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                       |                                                                         |
| Type       | TS 35X7.5 2M/ST/ZN         | Version                                                                 |
| Order No.  | <a href="#">0383400000</a> | 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                       |                                                                         |

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## Accessories

|            |                            |                                                                         |
|------------|----------------------------|-------------------------------------------------------------------------|
| Type       | TS 35X15 2M/ST/ZN          | Version                                                                 |
| Order No.  | <a href="#">0236400000</a> | 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 1M/ST/ZN       | Version                                                                 |
| Order No.  | <a href="#">0236510000</a> | Terminal rail, Accessories, Steel, galvanic zinc plated and passivated, |
| GTIN (EAN) | 4008190017699              | Width: 1000 mm, Height: 35 mm, Depth: 15 mm                             |
| Qty.       | 10 m                       |                                                                         |
| Type       | TS 35X7.5/LL 2M/ST/ZN      | Version                                                                 |
| Order No.  | <a href="#">0514500000</a> | 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                       |                                                                         |

## 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, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C |
| 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, Accessories, Steel, galvanic zinc plated and passivated, |
| GTIN (EAN) | 4008190086152              | Width: 2000 mm, Height: 33 mm, Depth: 15 mm                             |
| Qty.       | 20 m                       |                                                                         |

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## Accessories

|            |                            |                                                                         |
|------------|----------------------------|-------------------------------------------------------------------------|
| Type       | TS 32X15 2M/ST/ZN          | Version                                                                 |
| Order No.  | <a href="#">0122800000</a> | 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, another is outstanding corrosion protection.

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | TS 32X15 2M/AL/BK          | Version                                                           |
| Order No.  | <a href="#">0169300000</a> | Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm, |
| GTIN (EAN) | 4008190105167              | Height: 33 mm, Depth: 15 mm                                       |
| Qty.       | 20 m                       |                                                                   |

## TS 32

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, dark beige, TS 32, V-2, PA 66 GF 30, Width: 12 mm, 100 °C |
| GTIN (EAN) | 4008190099657              |                                                                        |
| Qty.       | 50 pc(s).                  |                                                                        |
| Type       | EWK 2                      | Version                                                                |
| Order No.  | <a href="#">0199360000</a> | End bracket, beige, TS 32, V-0, Wemid, Width: 15 mm, 100 °C            |
| GTIN (EAN) | 4008190023546              |                                                                        |
| Qty.       | 50 pc(s).                  |                                                                        |
| Type       | EWK 1                      | Version                                                                |
| Order No.  | <a href="#">0206160000</a> | End bracket, beige, TS 32, V-0, Wemid, Width: 9 mm, 100 °C             |
| GTIN (EAN) | 4008190080020              |                                                                        |
| Qty.       | 50 pc(s).                  |                                                                        |

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| Type       | EWK 1 ALT                  | Version                                                           |
|------------|----------------------------|-------------------------------------------------------------------|
| Order No.  | <a href="#">0495160000</a> | End bracket, beige, TS 32, V-2, Polyamide 66, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190160777              |                                                                   |
| Qty.       | 50 pc(s).                  |                                                                   |