

**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).                                                                                         |

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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 |
| Operating temperature, min. | 0 °C        | Operating temperature, max. | 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 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.         | 0.5 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    | 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 |

## Environmental Product Compliance

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

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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

