



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 8019920000  |
| Part designation | RS SD50B LP3R   |
| Version          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 50 |
| EAN              | 4008190108922   |
| Qty.             | 1 pc(s).  |

#### Connection data

|   |                          |
|---|--------------------------|
| Connection on control side                          | D-SUB, acc. to IEC 807-2 |
| Connection on process side                          | PCB terminal LP3R        |
| Contact assembly                                    | 50-pole                  |
| Design  | Socket connector         |
| Implementation of connection level / plug connector | 1:1                      |

#### Ratings

|                                   |                     |
|-----------------------------------|---------------------|
| Ambient temperature (operational) | 0 °C...+55 °C       |
| Number of signals                 | 50                  |
| Rated control voltage             | 125 V AC/ 150 V DC  |
| Rated cross-section               | 2.5 mm <sup>2</sup> |
| Rated current per connection      | 1.5 A               |
| Storage temperature               | -40 °C...+70 °C     |
| Test torque                       | 0.5 Nm              |
| Test voltage (~eff)               | 0.6 kV              |

#### Insulation coordination (EN 50 178)

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Pollution severity   | 2   |

#### Connection cross-section

|                         |                     |
|-------------------------|---------------------|
| Flexible, max. (H07V-U) | 2.5 mm <sup>2</sup> |
| Flexible, max. AEHK     | 2.5 mm <sup>2</sup> |
| Flexible, min. (AEHK)   | 0.5 mm <sup>2</sup> |
| Flexible, min. (H07V-U) | 0.5 mm <sup>2</sup> |

#### Connection cross-section

|                      |                     |
|----------------------|---------------------|
| Solid, max. (H07V-U) | 4 mm <sup>2</sup>   |
| Solid, min. (H07V-U) | 0.5 mm <sup>2</sup> |
| Stripping length     | 7 mm                |

#### Dimensions

|                      |                     |
|----------------------|---------------------|
| Clamping range, max. | 4 mm <sup>2</sup>   |
| Clamping range, min. | 0.5 mm <sup>2</sup> |
| Clamping range, nom. | 2.5 mm <sup>2</sup> |
| Length               | 87 mm               |
| Height               | 80 mm               |
| Width                | 100 mm              |

#### Approvals

|                      |             |
|----------------------|-------------|
| Approvals institutes | <b>n.a.</b> |
|----------------------|-------------|

#### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | EC001419    |
| ETIM 3.0   | EC001419    |
| eClass 4.1 | 27-24-04-04 |
| eClass 5.0 | 27-24-22-04 |
| eClass 5.1 | 27-24-22-04 |

#### Similar products

| Order No.  | Part designation       | Version   |
|------------|------------------------|---|
| 8005211001 | RS SD15B UNC 4.40 LP2N | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8005201001 | RS SD15S UNC 4.40      | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8003901001 | RS SD9S UNC 4.40 LP2N  | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8003881001 | RS SD37S UNC 4.40 LP2N | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8003911001 | RS SD9B UNC 4.40 LP2N  | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8005191001 | RS SD25B UNC 4.40 LP2N | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8005181001 | RS SD25S UNC 4.40 LP2N | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8003891001 | RS SD37B UNC 4.40 LP2N | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8005171001 | RS SD50B UNC 4.40 LP2N | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8005161001 | RS SD50S UNC 4.40 LP2N | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8019930000 | RS SD9S LP3R           | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8019940000 | RS SD15S LP3R          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 15 |
| 8019950000 | RS SD25S LP3R          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 25 |
| 8019960000 | RS SD37S LP3R          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 37 |
| 8019970000 | RS SD50S LP3R          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 50 |
| 8019880000 | RS SD9B LP3R           | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 9  |
| 8019890000 | RS SD15B LP3R          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 15 |
| 8019900000 | RS SD25B LP3R          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 25 |
| 8019910000 | RS SD37B LP3R          | Interface unit, D-SUB, acc. to IEC 807-2, Number of signals: 37 |