

RS SD50 SZ**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Similar to illustration

Passive interfaces for signal transmission on a SubD connector equipped with a tension-clamp 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.
- Extremely compact modules for attachment to standard TS35 or TS32 rail.

General ordering data

| | |
|------------|--|
| Version | Interface, RSSD, D-sub connectors, acc. to IEC 60807 / DIN 41652, 50-pole plug, Tension-clamp connection |
| Order No. | 8537350000 |
| Type | RS SD50 SZ |
| GTIN (EAN) | 4032248173037 |
| Qty. | 1 items |

RS SD50 SZ

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Approvals

Approvals



| | |
|-----------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E141197 |

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 64 mm | Depth (inches) | 2.5197 inch |
| Height | 87 mm | Height (inches) | 3.4252 inch |
| Width | 145 mm | Width (inches) | 5.7086 inch |
| Net weight | 246 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) | 6aI, 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 voltage UN | 100 V |

Connection Data

| | | | |
|----------------------------|---|--------------------------------|--------------|
| Design of locking system | UNC 4/40 | Number of poles (control side) | 50-pole plug |
| Connection (field side) | LM2NZF 5.08mm | Earthing | No |
| 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 24 | Type of connection | Tension-clamp connection |
| Sleeve with plastic collar, max. | 1.5 mm ² | Flexible with sleeve, min. | 0.25 mm ² |
| Flexible with sleeve, max. | 1.5 mm ² | Flexible, max. H05(07) V-K | 1.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² | Solid, max. H05(07) V-U | 2.5 mm ² |

RS SD50 SZ

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

| | | | |
|------------------------------|---------------------|----------------------|----------------------|
| Solid, min. H05(07) V-U | 0.2 mm ² | Stripping length | 7.5 mm |
| Clamping range, max. | 2.5 mm ² | Clamping range, min. | 0.13 mm ² |
| Max. wire cross-section, AWG | AWG 14 | | |

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 | | |



N: Number of poles