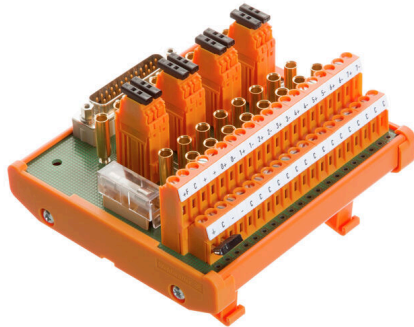


## RS 8AIO I-M-DP SD Z

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

[www.weidmueller.com](http://www.weidmueller.com)



Similar to illustration

The analogue interfaces are equipped with SubD connectors. Thus they offer sufficient shielding for analogue signal transmission. They are also equipped with very useful isolators and test sockets for measuring voltage or current.

### General ordering data

|            |   |
|------------|---|
| Version    | Interface, RS, Spacer, 2-wire, Tension-clamp connection |
| Order No.  | <a href="#">9449110000</a>                              |
| Type       | RS 8AIO I-M-DP SD Z                                     |
| GTIN (EAN) | 4032248253487   |
| Qty.       | 1 items   |

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## Technical data

## Approvals

Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E141197                    |

## Dimensions and weights

|            |        |                 |             |
|------------|--------|-----------------|-------------|
| Depth      | 81 mm  | Depth (inches)  | 3.189 inch  |
| Height     | 109 mm | Height (inches) | 4.2913 inch |
| Width      | 114 mm | Width (inches)  | 4.4882 inch |
| Net weight | 327 g  |                 |             |

## Temperatures

|                     |             |                       |             |
|---------------------|-------------|-----------------------|-------------|
| Storage temperature | -40...60 °C | Operating temperature | -20...50 °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               | 0.5 A  | Operating temperature UL, min. | 0 °C              |
| Operating temperature UL, max. | 25 °C  | Rated voltage UN               | ≤ 25 V AC 50 V DC |
| Rated voltage DC UN (supply)   | 24 V   | Rated current (supply)         | 3 A               |
| Rated current fuse (supply)    | 3.15 A |                                |                   |

## General data

|                                |                |                                  |   |
|--------------------------------|----------------|----------------------------------|---|
| LED status display per channel | No             | Disconnection per channel        | Yes   |
| Voltage point of measurement   | Yes            | Current-measuring testpoint      | Yes   |
| Type of test point             | Diameter: 4 mm | LED status of the supply voltage | No  |
| Power supply fuse              | 3.15 A         | Common pole polarity             | Positive or negative can be selected using jumper |

## Connection data

|                                |                                      |                            |   |
|--------------------------------|--------------------------------------|----------------------------|---|
| Number of poles (control side) | 25-pole plug                         | Connection supply          | LMNZF 5.08mm                                    |
| Protective earth connection    | Shielding in SUB-D plug-in connector | Wiring system              | 2-wire  |
| Connection (field side)        | LMNZF 5.08mm                         | Connection on control side | D-sub connectors, acc. to IEC 60807 / DIN 41652 |

## Ratings data

|                          |                     |                              |        |
|--------------------------|---------------------|------------------------------|--------|
| Operating voltage        | ≤ 25 V AC / 50 V DC | Max. current for common pole | 3.15 A |
| Max. current per channel | 0.5 A               |                              |        |

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## Technical data

## Insulation coordination (EN50178)

|                               |              |                            |          |
|-------------------------------|--------------|----------------------------|----------|
| According to                  | DIN EN 50178 | Rated insulation voltage   | <50 V AC |
| Surge voltage category        | III          | Pollution severity level   | 2        |
| Pulse voltage test (1,2/50µs) | 0.8 kV       | Insulation test voltage AC | 0.35 kV  |

## Connection field

|                              |                     |                            |                          |
|------------------------------|---------------------|----------------------------|--------------------------|
| Min. wire cross-section, AWG | AWG 26              | Type of connection         | Tension-clamp connection |
| Flexible with sleeve, max.   | 1.5 mm <sup>2</sup> | Flexible, max. H05(07) V-K | 1.5 mm <sup>2</sup>      |
| Flexible, min. H05(07) V-K   | 0.5 mm <sup>2</sup> | Solid, max. H05(07) V-U    | 1.5 mm <sup>2</sup>      |
| Solid, min. H05(07) V-U      | 0.5 mm <sup>2</sup> | Stripping length           | 7 mm                     |
| Clamping range, max.         | 2.5 mm <sup>2</sup> | Clamping range, min.       | 0.13 mm <sup>2</sup>     |
| Max. wire cross-section, AWG | AWG 14              |                            |                          |

## Supply connection

|                              |                          |                                   |                      |
|------------------------------|--------------------------|-----------------------------------|----------------------|
| Type of connection           | Tension-clamp connection | Clamping range, min.              | 0.13 mm <sup>2</sup> |
| Clamping range, max.         | 2.5 mm <sup>2</sup>      | Solid, min. H05(07) V-U           | 0.2 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U      | 2.5 mm <sup>2</sup>      | Flexible, min. H05(07) V-K        | 0.2 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K   | 1.5 mm <sup>2</sup>      | Flexible with sleeve, max.        | 1.5 mm <sup>2</sup>  |
| Flexible with sleeve, min.   | 0.25 mm <sup>2</sup>     | Ferrule with plastic collar, max. | 1.5 mm <sup>2</sup>  |
| Wire cross-section, min. AWG | AWG 24                   | Wire cross-section, max. AWG      | AWG 14               |
| Stripping length             | 7.5 mm                   |                                   |                      |

## 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 |             |             |

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**Drawings**

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