

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

**Weidmüller Interface GmbH & Co. KG**  
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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**

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

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**Technical data****Dimensions and weights**

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Length     | 114 mm | Length (inches) | 4.488 inch |
| Width      | 109 mm | Width (inches)  | 4.291 inch |
| Height     | 81 mm  | Height (inches) | 3.189 inch |
| Net weight | 327 g  |                 |            |

**Temperatures**

|                             |             |                             |             |
|-----------------------------|-------------|-----------------------------|-------------|
| Operating temperature, max. | 50 °C       | Operating temperature, min. | -20 °C      |
| Storage temperature, max.   | 60 °C       | Storage temperature, min.   | -40 °C      |
| Operating temperature       | -20...50 °C | Storage temperature         | -40...60 °C |

**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**

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

**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               |                              |        |

**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  | 0.35 kVAC |

**Connection field**

|                              |                          |                              |                      |
|------------------------------|--------------------------|------------------------------|----------------------|
| 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      | 0.5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U      | 1.5 mm <sup>2</sup>      | Flexible, min. H05(07) V-K   | 0.5 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>  |
| Min. wire cross-section, AWG | AWG 26                   | Max. wire cross-section, AWG | AWG 14               |
| Stripping length             | 7 mm                     |                              |                      |

**Data sheet**

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**Technical data**

**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 3.0   | EC001423    | ETIM 4.0   | EC001423    |
| ETIM 5.0   | EC001423    | ETIM 6.0   | EC002780    |
| UNSPSC     | 30-21-18-01 | eClass 5.1 | 27-24-22-08 |
| eClass 6.2 | 27-24-22-08 | eClass 7.1 | 27-14-11-52 |
| eClass 8.1 | 27-14-11-52 | eClass 9.0 | 27-14-11-52 |
| eClass 9.1 | 27-14-11-52 |            |             |

**Approvals**

Approvals



ROHS

Conform

**Data sheet**

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**Drawings**

