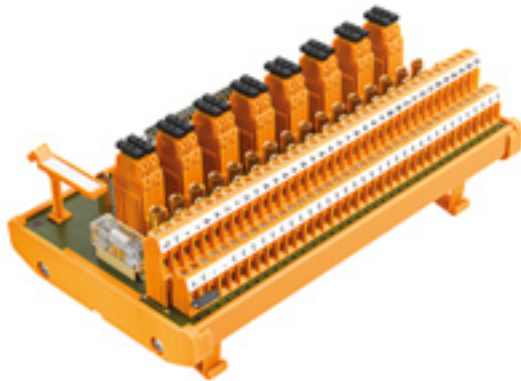


**RS  
RS 16AIO I-M-DP SD Z**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



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 16AIO I-M-DP SD Z                            |
| Order No.  | <a href="#">1308280000</a>                      |
| Version    | Interface, RS, 2-wire, Tension clamp connection |
| GTIN (EAN) | 4050118110630                                   |
| Qty.       | 1 pc(s).  |

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## Technische Daten

### Dimensions and weights

|        |        |            |          |
|--------|--------|------------|----------|
| Length | 197 mm | Width      | 109 mm   |
| Height | 81 mm  | Net weight | 505.86 g |

### Temperatures

|                       |             |                     |              |
|-----------------------|-------------|---------------------|--------------|
| 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 on control side | SUB-D plug, in compliance with IEC 807-2 / DIN 41652 | Number of poles (control side) | 37-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              | 6 mm <sup>2</sup>        | Flexible, min. H05(07) V-K           | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K           | 4 mm <sup>2</sup>        | Flexible with sleeve, max.           | 2.5 mm <sup>2</sup>  |
| Flexible with sleeve, min.           | 0.5 mm <sup>2</sup>      | Sleeve with plastic collar, max.     | 2.5 mm <sup>2</sup>  |
| Min. wire cross-section, AWG [field] | AWG 26                   | Max. wire cross-section, AWG [field] | AWG 12               |
| Tightening torque, min.              | 0.5 Nm                   | Tightening torque, max.              | 0.6 Nm               |
| Stripping length                     | 6 mm                     |                                      |                      |

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**Technische Daten**

**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           | 0.5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U      | 6 mm <sup>2</sup>        | Flexible, min. H05(07) V-K        | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K   | 4 mm <sup>2</sup>        | Flexible with sleeve, max.        | 2.5 mm <sup>2</sup>  |
| Flexible with sleeve, min.   | 0.5 mm <sup>2</sup>      | Ferrule with plastic collar, max. | 2.5 mm <sup>2</sup>  |
| Wire cross-section, min. AWG | AWG 26                   | Wire cross-section, max. AWG      | AWG 12               |
| Tightening torque, min.      | 0.5 Nm                   | Tightening torque, max.           | 0.6 Nm               |
| Stripping length             | 6 mm                     |                                   |                      |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001423    | UNSPSC     | 30-21-18-01 |
| eClass 5.1 | 27-24-22-08 | eClass 6.2 | 27-14-11-52 |
| eClass 7.1 | 27-14-11-52 |            |             |

**Product information**

|                                 |   |
|---------------------------------|---|
| Descriptive text technical data | The common C may carry up to 3 A if the external jumpers are not used |
|---------------------------------|---|

**Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Datenblatt**

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**Zeichnungen**

