

RS 4AIO DP SD Z**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 2-wire, Tension-clamp connection |
| Order No. | 1308230000 |
| Type | RS 4AIO DP SD Z |
| GTIN (EAN) | 4050118110470 |
| Qty. | 1 pc(s). |

Creation date March 7, 2023 8:29:55 PM CET

Catalogue status 03.03.2023 / We reserve the right to make technical changes.

RS 4AIO DP SD Z

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 72 mm | Depth (inches) | 2.835 inch |
| Height | 87 mm | Height (inches) | 3.425 inch |
| Width | 75 mm | Width (inches) | 2.953 inch |
| Net weight | 161 g | | |

Temperatures

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

General data

| | | | |
|--------------------------------|--------|----------------------------------|---|
| LED status display per channel | No | Disconnection per channel | No |
| Voltage point of measurement | No | Current-measuring testpoint | No |
| Type of test point | No | 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 (field side) | LMNZF 5.08mm | Connection on control side | D-sub connectors, acc. to IEC 60807 / DIN 41652 |
| Connection supply | LMNZF 5.08mm | Number of poles (control side) | 15-pole plug |
| Protective earth connection | Shielding in SUB-D plug-in connector | Wiring system | 2-wire |

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

| | | | |
|----------------------------------|--------------------------|------------------------------|----------------------|
| Clamping range, max. | 2.5 mm ² | Clamping range, min. | 0.13 mm ² |
| Flexible with sleeve, max. | 2.5 mm ² | Flexible with sleeve, min. | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 4 mm ² | Flexible, min. H05(07) V-K | 0.5 mm ² |
| Max. wire cross-section, AWG | AWG 12 | Min. wire cross-section, AWG | AWG 26 |
| Sleeve with plastic collar, max. | 2.5 mm ² | Solid, max. H05(07) V-U | 6 mm ² |
| Solid, min. H05(07) V-U | 0.5 mm ² | Stripping length | 6 mm |
| Tightening torque, max. | 0.6 Nm | Tightening torque, min. | 0.5 Nm |
| Type of connection | Tension-clamp connection | | |

RS 4AIO DP SD Z

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Supply connection

| | | | |
|------------------------------|--------------------------|-----------------------------------|----------------------|
| Type of connection | Tension-clamp connection | Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 2.5 mm ² | Solid, min. H05(07) V-U | 0.5 mm ² |
| Solid, max. H05(07) V-U | 6 mm ² | Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 4 mm ² | Flexible with sleeve, max. | 2.5 mm ² |
| Flexible with sleeve, min. | 0.5 mm ² | Ferrule with plastic collar, max. | 2.5 mm ² |
| 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 6.0 | EC002780 | ETIM 7.0 | EC002780 |
| ETIM 8.0 | EC002780 | ECLASS 9.0 | 27-14-11-52 |
| ECLASS 9.1 | 27-14-11-52 | ECLASS 10.0 | 27-14-11-52 |
| ECLASS 11.0 | 27-14-11-52 | ECLASS 12.0 | 27-14-11-52 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 7b5ffb72-271d-4c73-8b09-bd0aaee3697a |

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Product Change Notification | 20220525 Technical change to RS and RSM |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

RS 4AIO DP SD Z

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

www.weidmueller.com

Drawings

