

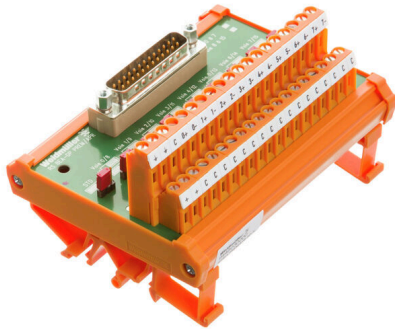
RS 8AI PREM/APR SD S**Weidmüller Interface GmbH & Co. KG**

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, Screw connection |
| Order No. | 9448030000 |
| Type | RS 8AI PREM/APR SD S |
| GTIN (EAN) | 4032248253333 |
| Qty. | 1 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2026-02-10T00:00:00+01:00 |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 72 mm | Depth (inches) | 2.8346 inch |
| Height | 87 mm | Height (inches) | 3.4252 inch |
| Width | 116 mm | Width (inches) | 4.5669 inch |
| Net weight | 206.8 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) | 6a1, 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 7b5ffb72-271d-4c73-8b09-bd0aaee3697a |

Rated data UL

| | | | |
|--------------------------------|-------|--------------------------------|-------------------|
| Operating temperature UL, min. | 0 °C | Operating temperature UL, max. | 50 °C |
| Rated current I _{max} | 0.5 A | Rated voltage UN | ≤ 25 V AC 50 V DC |
| Rated voltage DC UN (supply) | 24 V | Rated current (supply) | 3 A |

General data

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

Connection data

| | | | |
|--------------------------------|---|-------------------|--------------|
| Number of poles (control side) | 25-pole plug | Connection supply | LL2N 5.08 mm |
| Protective earth connection | Shielding in SUB-D plug-in connector | Wiring system | 2-wire |
| 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 | | |

Insulation coordination (EN50178)

| | | | |
|------------------------|--------------|--------------------------|----------|
| According to | DIN EN 50178 | Rated insulation voltage | <50 V AC |
| Surge voltage category | III | Pollution severity level | 2 |

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| | | | |
|-------------------------------|--------|----------------------------|---------|
| 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 | Screw connection |
| Sleeve with plastic collar, max. | 2.5 mm ² | Flexible with sleeve, min. | 0.5 mm ² |
| Flexible with sleeve, max. | 2.5 mm ² | Flexible, max. H05(07) V-K | 4 mm ² |
| Flexible, min. H05(07) V-K | 0.5 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 |
| Clamping range, max. | 6 mm ² | Clamping range, min. | 0.13 mm ² |
| Max. wire cross-section, AWG | AWG 12 | | |

Supply connection

| | | | |
|------------------------------|---------------------|-----------------------------------|----------------------|
| Type of connection | Screw connection | Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 6 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 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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