

RS 16IO 1W H Z**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

The digital direct input/output interfaces are supplied with flat cable connectors to facilitate connection. They are available in tension clamp or clamping yoke connection, with elements such as fuses, disconnectors or LEDs.

General ordering data

| | |
|------------|---|
| Version | Interface, RS, 1-wire, Tension-clamp connection |
| Order No. | 1311750000 |
| Type | RS 16IO 1W H Z |
| GTIN (EAN) | 4050118114225 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 72 mm | Depth (inches) | 2.835 inch |
| Height | 87 mm | Height (inches) | 3.425 inch |
| Width | 46 mm | Width (inches) | 1.811 inch |
| Net weight | 125 g | | |

Temperatures

| | | | |
|---------------------|-------------|-----------------------|-------------|
| Storage temperature | -40...60 °C | Operating temperature | -25...50 °C |
|---------------------|-------------|-----------------------|-------------|

Environmental Product Compliance

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

General data

| | | | |
|----------------------------------|--------|---------------------------|--------|
| LED status display per channel | No | Disconnection per channel | No |
| Type of test point | No | Fuse per channel | No |
| LED status of the supply voltage | yellow | Power supply fuse | 3.15 A |
| Common pole polarity | No | | |

Connection data

| | | | |
|--------------------------------|---------------|----------------------------|--|
| Connection (field side) | LM2NZF 5.08mm | Connection on control side | Plug-in connector in acc. with IEC60603-13 / DIN4 1651 |
| Number of poles (control side) | 20-pole plug | Wiring system | 1-wire |

Ratings data

| | | | |
|-------------------------|-------------------|--------------------------|-----|
| Operating voltage | 25 V AC / 50 V DC | Max. current per channel | 1 A |
| Total operating current | 2 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 | | |

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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 | 27-24-22-16 | ECLASS 10.0 | 27-14-11-52 |
| ECLASS 11.0 | 27-14-11-52 | ECLASS 12.0 | 27-14-11-52 |

Approvals

Approvals



ROHS

Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Declaration of Conformity Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | |