

RS
RS 16IO 3W L H S**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 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

| | |
|------------|--|
| Type | RS 16IO 3W L H S |
| Order No. | 9445770000 |
| Version | Interface, RS, LED, 3-wire, Screw connection |
| GTIN (EAN) | 4032248252978 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|--------|-------|------------|-------|
| Length | 90 mm | Width | 87 mm |
| Height | 72 mm | Net weight | 315 g |

Temperatures

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

General data

| | | | |
|----------------------------------|--------|---------------------------|--------|
| LED status display per channel | green | 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 | Yes | | |

Connection data

| | | | |
|--------------------------------|---------------------------|----------------------------|--|
| Connection to PLC | HE 10 connector - 20 pole | Connection on control side | Connector according IEC60603-13/DIN41651 |
| Number of poles (control side) | 20-pole plug | Connection (field side) | LP3R 5.08mm |
| Wiring system | 3-wire | | |

Ratings data

| | | | |
|-------------------------|-------------------|--------------------------|-----|
| Operating voltage | 24 V DC \pm 10% | 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 (1,2/50 μ s) | 0.8 kV | Insulation test voltage | 0.35 kVAC |

Connection field

| | | | |
|--------------------------------------|---------------------|--------------------------------------|----------------------|
| 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 | Sleeve with plastic collar, max. | 2.5 mm ² |
| 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 | | |

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 | | |

Data sheet

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Technical data

Classifications

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

Product information

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

Approvals

Approvals



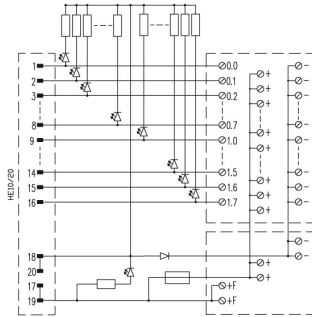
| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|---------------------------|--------------------------------|
| Declaration of Conformity | K277_11_04.pdf |
|---------------------------|--------------------------------|

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Drawings

The wiring diagram corresponds to the version with LEDs.