

RS
RS16ES-T-L H/Z

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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 | RS16ES-T-L H/Z |
| Order No. | 9447770000 |
| Version | Interface, RS, LED, 3-wire, Tension clamp connection |
| GTIN (EAN) | 4032248253197 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------|--------|------------|-------|
| Length | 110 mm | Width | 87 mm |
| Height | 72 mm | Net weight | 197 g |

Temperatures

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

General data

| | | | |
|--------------------------------|--------|----------------------------------|--------|
| LED status display per channel | green | Disconnection per channel | 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) | LMNZF 5.08mm |
| Wiring system | 3-wire | | |

Ratings data

| | | | |
|-------------------------|---------------|--------------------------|-----|
| Operating voltage | 24 V DC ± 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 |
| Insulation test voltage | 0.35 kVAC | | |

Connection field

| | | | |
|--------------------------------------|--------------------------|--------------------------------------|----------------------|
| Type of connection | Tension clamp connection | Clamping range, min. | 0.14 mm ² |
| Clamping range, max. | 1.5 mm ² | Solid, min. H05(07) V-U | 0.5 mm ² |
| Solid, max. H05(07) V-U | 1.5 mm ² | Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 1.5 mm ² | Flexible with sleeve, max. | 1.5 mm ² |
| Min. wire cross-section, AWG [field] | AWG 26 | Max. wire cross-section, AWG [field] | AWG 14 |
| Stripping length | 7 mm | | |

Supply connection

| | | | |
|------------------------------|--------------------------|------------------------------|----------------------|
| Type of connection | Tension clamp connection | Clamping range, min. | 0.14 mm ² |
| Clamping range, max. | 1.5 mm ² | Solid, min. H05(07) V-U | 0.5 mm ² |
| Solid, max. H05(07) V-U | 1.5 mm ² | Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 1.5 mm ² | Flexible with sleeve, max. | 1.5 mm ² |
| Wire cross-section, min. AWG | AWG 26 | Wire cross-section, max. AWG | AWG 14 |
| Stripping length | 7 mm | | |

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 | | |

Data sheet

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Technical data

Approvals

Approvals

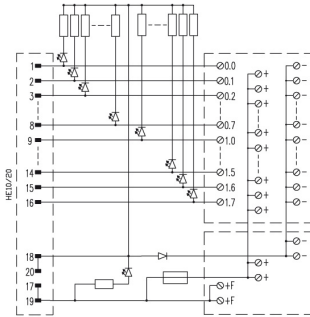


ROHS

Conform

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Drawings

The wiring diagram corresponds to the version with LEDs.