

RS
TBY-RS-UNIV-SP-2KS-S

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Analogue interfaces are equipped with 40-pole connectors (KS). Versions are available with disconnecting plugs and test points which are extremely useful for voltage and current measurements. There are also versions with useful additional pins for customers who wish to incorporate other elements (resistor ...) for converting voltage/current or monitoring the current loop.

General ordering data

| | |
|------------|--|
| Type | TBY-RS-UNIV-SP-2KS-S |
| Order No. | 1371340000 |
| Version | Interface, RS, 2 x KS (40P), LP2N 5.08mm |
| GTIN (EAN) | 4050118207132 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|--------|-----------------|------------|
| Length | 112 mm | Length (inches) | 4.409 inch |
| Width | 109 mm | Width (inches) | 4.291 inch |
| Height | 70 mm | Height (inches) | 2.756 inch |
| Net weight | 202 g | | |

Temperatures

| | | | |
|-----------------------------|-------------|-----------------------------|-------------|
| Operating temperature, max. | 70 °C | Operating temperature, min. | -25 °C |
| Storage temperature, max. | 85 °C | Storage temperature, min. | -40 °C |
| Operating temperature | -25...70 °C | Storage temperature | -40...85 °C |

General data

| | | | |
|--------------------------------|----------------|----------------------------------|----|
| LED status display per channel | No | Disconnection per channel | No |
| Type of test point | Soldering tags | Switch | No |
| Fuse per channel | No | LED status of the supply voltage | No |
| Power supply fuse | No | | |

Connection data

| | | | |
|----------------------------|------------------|--------------------------------|------------------------|
| Connection to PLC | Yokogawa ProSafe | Connection to the card | SAI143, SAV144, SAI553 |
| Connection on control side | 2 x KS (40P) | Number of poles (control side) | 40-pole plug |
| Connection (field side) | LP2N 5.08mm | | |

Ratings data

| | | | |
|--------------------------|-------------------|------------------------------|-----|
| Operating voltage | 50 V AC / 70 V DC | Max. current for common pole | 1 A |
| Max. current per channel | 1 A | | |

Insulation coordination (EN50178)

| | | | |
|--------------------------|-----------|-------------------------------|--------|
| 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

| | | | |
|------------------------------|---------------------|----------------------------------|----------------------|
| 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 | AWG 26 | Max. wire cross-section, AWG | AWG 12 |
| Tightening torque, min. | 0.5 Nm | Tightening torque, max. | 0.6 Nm |
| Stripping length | 6 mm | | |

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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. | 2.5 mm ² | Ferrule with plastic collar, max. | 0.5 mm ² |
| Wire cross-section, min. AWG | AWG 12 | Wire cross-section, max. AWG | AWG 26 |
| 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 |
| eClass 9.0 | 27-14-11-52 | eClass 9.1 | 27-14-11-52 |
| eClass 10.0 | 27-14-11-52 | | |

Approvals

Approvals



Downloads

Brochure/Catalogue [CAT 4.5 ELECTR 16/17 EN](#)

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Drawings

