

RS
TBY-RS-AIO-2KS-Z

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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-AIO-2KS-Z |
| Order No. | 1371140000 |
| Version | Interface, RS, 2 x KS (40P), LM2NZF 5.08mm |
| GTIN (EAN) | 4050118195217 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Length | 90 mm | Length (inches) | 3.543 inch |
| Width | 70 mm | Width (inches) | 2.756 inch |
| Height | 52 mm | Height (inches) | 2.047 inch |
| Net weight | 141 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 | No | 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) | LM2NZF 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 | Tension-clamp connection | Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 2.5 mm ² | Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² | Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 1.5 mm ² | Flexible with sleeve, max. | 1.5 mm ² |
| Flexible with sleeve, min. | 0.25 mm ² | Sleeve with plastic collar, max. | 1.5 mm ² |
| Min. wire cross-section, AWG | AWG 24 | Max. wire cross-section, AWG | AWG 14 |
| Stripping length | 7.5 mm | | |

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 | 0.2 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² | Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 1.5 mm ² | Flexible with sleeve, max. | 1.5 mm ² |
| Flexible with sleeve, min. | 0.25 mm ² | Ferrule with plastic collar, max. | 1.5 mm ² |
| Wire cross-section, min. AWG | AWG 14 | Wire cross-section, max. AWG | AWG 24 |
| Stripping length | 7.5 mm | | |

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Data sheet**RS**
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| | | | |
|-------------|-------------|------------|-------------|
| 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](#)

Data sheet

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Drawings

