

TBY-C3-16AI-2KS-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

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

| | |
|------------|---|
| Version | Interface, RS, 2 x KS (40P), LL2N 5.08 mm |
| Order No. | 1371530000 |
| Type | TBY-C3-16AI-2KS-S |
| GTIN (EAN) | 4050118204858 |
| Qty. | 1 pc(s). |

TBY-C3-16AI-2KS-S
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com
Technical data
Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 56 mm | Depth (inches) | 2.205 inch |
| Height | 70 mm | Height (inches) | 2.756 inch |
| Width | 90 mm | Width (inches) | 3.543 inch |
| Net weight | 156 g | | |

Temperatures

| | | | |
|---------------------|-------------|-----------------------|-------------|
| Storage temperature | -40...85 °C | Operating temperature | -25...70 °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 (field side) | LL2N 5.08 mm | Connection on control side | 2 x KS (40P) |
| Number of poles (control side) | 40-pole plug | | |

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 AC | 0.35 kV | | |

Connection field

| | | | |
|----------------------------------|---------------------|------------------------------|----------------------|
| Clamping range, max. | 6 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 | Screw connection | | |

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 | | |

TBY-C3-16AI-2KS-S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Classifications**

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002780 | ETIM 7.0 | EC002780 |
| ETIM 8.0 | EC002780 | ETIM 9.0 | EC002780 |
| ECLASS 9.0 | 27-14-11-52 | ECLASS 9.1 | 27-14-11-52 |
| ECLASS 10.0 | 27-14-11-52 | ECLASS 11.0 | 27-14-11-52 |
| ECLASS 12.0 | 27-14-11-52 | ECLASS 13.0 | 27-14-11-52 |

Approvals

Approvals

**Downloads**

| | |
|-----------------------------|---|
| Product Change Notification | 20210602 Technical change to TBY interfaces |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

TBY-C3-16AI-2KS-S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

