

TBY-C3-16AI-2KS-Z**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), LM2NZF 5.08mm
Order No.	1371550000
Type	TBY-C3-16AI-2KS-Z
GTIN (EAN)	4050118204872
Qty.	1 pc(s).

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Depth	52 mm	Depth (inches)	2.047 inch
Height	70 mm	Height (inches)	2.756 inch
Width	90 mm	Width (inches)	3.543 inch
Net weight	153.84 g		

Temperatures

Storage temperature	-40...85 °C	Operating temperature	-25...70 °C
Operating temperature, min.	-25 °C	Operating temperature, max.	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)	LM2NZF 5.08mm	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 per channel	1 A
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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

Clamping range, max.	2.5 mm ²	Clamping range, min.	0.13 mm ²
Flexible with sleeve, max.	1.5 mm ²	Flexible with sleeve, min.	0.25 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²	Flexible, min. H05(07) V-K	0.2 mm ²
Max. wire cross-section, AWG	AWG 14	Min. wire cross-section, AWG	AWG 24
Sleeve with plastic collar, max.	1.5 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Solid, min. H05(07) V-U	0.2 mm ²	Stripping length	7.5 mm
Type of connection	Tension-clamp connection		

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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Technical data**Classifications**

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	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

Approvals

Approvals

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Drawings

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