

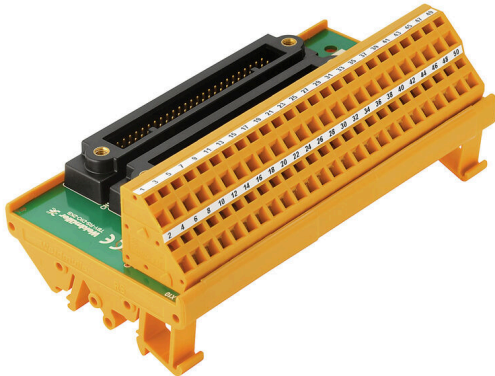
TBY-RS-DIO-2KB-Z**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Digital interfaces are equipped with 50-pole connectors (KS) and offer numerous advantages, such as:

- Redundancy: the interfaces have 2 50-pole (AKB) connectors for redundancy purposes.
- Many of the interfaces activate a relay to indicate if one of the two possible power sources has dropped below a value of approximately 12 V.
- The cards can be mounted via tension clamp or screw connection.
- Multiple functions are integrated: isolators, fuses with status indicator, relay and status LEDs.

General ordering data

Version	Interface, RS, 2 x AKB (50P), LM2NZF 5.08mm
Order No.	1371570000
Type	TBY-RS-DIO-2KB-Z
GTIN (EAN)	4050118205916
Qty.	1 items
Delivery status	Discontinued

TBY-RS-DIO-2KB-Z

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Technical data
Approvals

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ROHS Conform

Dimensions and weights

Depth	52 mm	Depth (inches)	2.0472 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	135 mm	Width (inches)	5.3149 inch
Net weight	156.9 g		

Temperatures

Storage temperature	-40...85 °C	Operating temperature	-25...70 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	129f70cd-a122-4009-92ba-8bd2209bc45b

General data

LED status display per channel	No	Disconnection per channel	No
Type of test point	No	Contactors	No
Fuse per channel	No	LED status of the supply voltage	No
Power supply fuse	No		

Connection data

Number of poles (control side)	50-pole plug	Connection (field side)	LM2NZF 5.08mm
Connection on control side	2 x AKB (50P)		

Ratings data

Operating voltage	50 V AC / 70 V DC	Max. current per channel	1 A
Total operating current	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

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

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Max. wire cross-section, AWG AWG 14

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		

Classifications

ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	EC002780	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

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Drawings

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