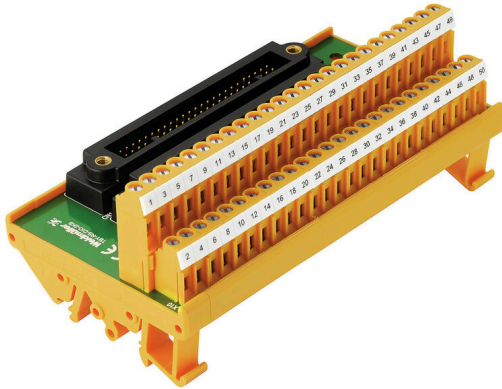


## TBY-C3-UNIV-2KB-S

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com



Similar to illustration

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), LL2N 5.08 mm
Order No.	<a href="#">1384090000</a>
Type	TBY-C3-UNIV-2KB-S
GTIN (EAN)	4050118185713
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2026-02-10T00:00:00+01:00

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**Technical data**
**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	56 mm	Depth (inches)	2.2047 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	135 mm	Width (inches)	5.3149 inch
Net weight	181.9 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
Voltage point of measurement	No	Current-measuring testpoint	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)	LL2N 5.08 mm
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 26	Type of connection	Screw connection
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 mm <sup>2</sup>
Flexible with sleeve, max.	2.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	4 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>

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## Technical data

Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 12		

## Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>
Solid, max. H05(07) V-U	6 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	4 mm <sup>2</sup>	Flexible with sleeve, max.	2.5 mm <sup>2</sup>
Flexible with sleeve, min.	2.5 mm <sup>2</sup>	Ferrule with plastic collar, max.	0.5 mm <sup>2</sup>
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 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		