

**TBY-ADV151-PS-L-2KB-S****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), LP2N 5.08mm
Order No.	<a href="#">1384350000</a>
Type	TBY-ADV151-PS-L-2KB-S
GTIN (EAN)	4050118185553
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Depth	85 mm	Depth (inches)	3.346 inch
Height	109 mm	Height (inches)	4.291 inch
Width	190 mm	Width (inches)	7.48 inch
Net weight	627 g		

**Temperatures**

Storage temperature	-40...85 °C	Operating temperature	-25...70 °C
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**General data**

LED status display per channel	green	Disconnection per channel	No
Type of test point	No	Switch	No
Fuse per channel	No	LED status of the supply voltage	green
Power supply fuse	2 A		

**Connection data**

Connection (field side)	LP2N 5.08mm	Connection on control side	2 x AKB (50P)
Connection supply	LP 5.08mm	Number of poles (control side)	50-pole plug

**Ratings data**

Operating voltage	24 V DC	Max. current per channel	1 A
Total operating current	2 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 <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>
Flexible with sleeve, max.	2.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 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>
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
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
Type of connection	Screw connection		

**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		

Creation date December 4, 2023 10:21:31 AM CET

Catalogue status 24.11.2023 / We reserve the right to make technical changes.

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## 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	27141152

### Approvals

Approvals



ROHS

Conform

### Downloads

Product Change Notification [20220523 Technical change to TBY interfaces](#)

Catalogues [Catalogues in PDF-format](#)

Brochures

TBY-ADV151-PS-L-2KB-S

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Drawings

