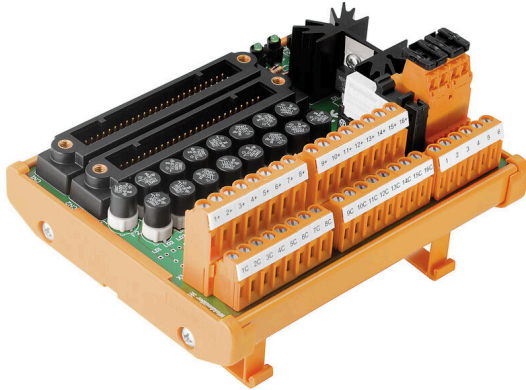


## TBY-SDV144-F-PS-2KB-Z

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://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.	<a href="#">1395380000</a>
Type	TBY-SDV144-F-PS-2KB-Z
GTIN (EAN)	4050118207224
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Last order date	2026-02-10T00:00:00+01:00

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**Technical data**
**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

Depth	80 mm	Depth (inches)	3.1496 inch
Height	109 mm	Height (inches)	4.2913 inch
Width	134 mm	Width (inches)	5.2756 inch
Net weight	286.87 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, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	7b305775-bf96-40a0-9bb6-8abdb4644a87

**General data**

LED status display per channel	No	Disconnection per channel	No
Type of test point	No	Contactors	No
Fuse per channel	100 mA	LED status of the supply voltage	green
Power supply fuse	2 A		

**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	24 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 <sup>2</sup>	Flexible with sleeve, min.	0.25 mm <sup>2</sup>
Flexible with sleeve, max.	1.5 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Stripping length	7.5 mm
Clamping range, max.	2.5 mm <sup>2</sup>	Clamping range, min.	0.13 mm <sup>2</sup>

Creation date 04.05.2026 07:04:19 MEZ

Catalogue status / Drawings

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## Technical data

Max. wire cross-section, AWG      AWG 14

### Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>	Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>	Flexible with sleeve, max.	1.5 mm <sup>2</sup>
Flexible with sleeve, min.	0.25 mm <sup>2</sup>	Ferrule with plastic collar, max.	1.5 mm <sup>2</sup>
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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