

TBY-SDV144-F-PS-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.	1395380000
Type	TBY-SDV144-F-PS-2KB-Z
GTIN (EAN)	4050118207224
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Depth	80 mm	Depth (inches)	3.15 inch
Height	109 mm	Height (inches)	4.291 inch
Width	134 mm	Width (inches)	5.276 inch
Net weight	286.874 g		

Temperatures

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

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

Connection data

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

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

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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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	27-14-11-52

Approvals

Approvals



ROHS

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Brochures

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www.weidmueller.com**Drawings**