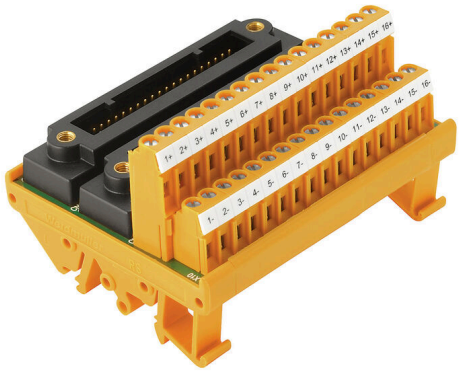
Data sheet

TBY-SAV144-2KS-Z

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Similar to illustration

Analogue interfaces are equipped with 40-pole connectors (KS). Versions are available with disconnecting plugs and test points which are extremely useful for voltage and current measurements. There are also versions with useful additional pins for customers who wish to incorporate other elements (resistor ...) for converting voltage/current or monitoring the current loop.

General ordering data

Version	Interface, RS, 2 x KS (40P), LM2NZF 5.08mm
Order No.	1371190000
Type	TBY-SAV144-2KS-Z
GTIN (EAN)	4050118204896
Qty.	1 items

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Technical data

Approvals

Approvals	CE
ROHS	Conform

Dimensions and weights

Depth	52 mm	Depth (inches)	2.0472 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	90 mm	Width (inches)	3.5433 inch
Net weight	160.71 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	f9d70a48-3ece-4d71-ba78-a0d617266ffc

General data

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

Connection data

Number of poles (control side)	40-pole plug	Connection (field side)	LM2NZF 5.08mm
Connection on control side	2 x KS (40P)		

Ratings data

Operating voltage	50 V AC / 70 V DC	Max. current for common pole	1 A
Max. current per channel	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 mm²	Flexible with sleeve, min.	0.25 mm²
Flexible with sleeve, max.	1.5 mm²	Flexible, max. H05(07) V-K	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²	Solid, max. H05(07) V-U	2.5 mm²
Solid, min. H05(07) V-U	0.2 mm²	Stripping length	7.5 mm
Clamping range, max.	2.5 mm²	Clamping range, min.	0.13 mm²

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Max. wire cross-section, AWG	AWG 14		

Supply connection

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm²
Clamping range, max.	2.5 mm²	Solid, min. H05(07) V-U	0.2 mm²
Solid, max. H05(07) V-U	2.5 mm²	Flexible, min. H05(07) V-K	0.2 mm²
Flexible, max. H05(07) V-K	1.5 mm²	Flexible with sleeve, max.	1.5 mm²
Flexible with sleeve, min.	0.25 mm²	Ferrule with plastic collar, max.	1.5 mm²
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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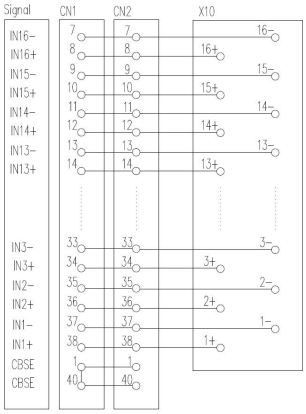
Drawings