

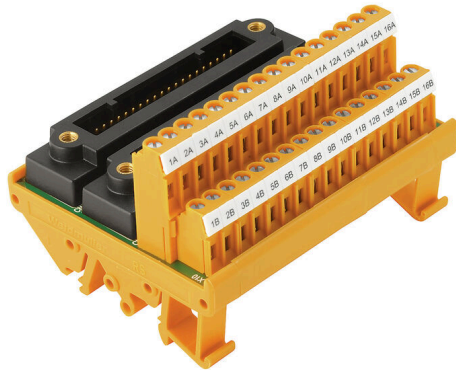
**TBY-SAI143-2KS-Z****Weidmüller Interface GmbH & Co. KG**

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.	<a href="#">1371170000</a>
Type	TBY-SAI143-2KS-Z
GTIN (EAN)	4050118205893
Qty.	1 items

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**Technical data**
**Approvals**

Approvals



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
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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	f9d70a48-3ece-4d71-ba78-a0d617266ffc

**General data**

LED status display per channel	No	Disconnection per channel	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)	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.	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	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 19.02.2026 08:37:04 MEZ

Catalogue status / Drawings

## TBY-SAI143-2KS-Z

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 Germany

## Technical data

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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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