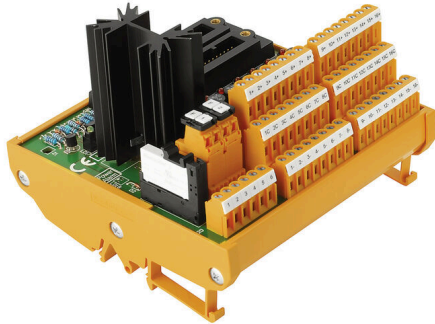


TBY-SAI143-F-L-PS-2KS-Z**Weidmüller Interface GmbH & Co. KG**

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), LM3NZF 5.08mm
Order No.	1371250000
Type	TBY-SAI143-F-L-PS-2KS-Z
GTIN (EAN)	4050118207125
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2026-02-10T00:00:00+01:00

TBY-SAI143-F-L-PS-2KS-Z

Weidmüller Interface GmbH & Co. KG
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Technical data
Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	107 mm	Depth (inches)	4.2126 inch
Height	131 mm	Height (inches)	5.1575 inch
Width	133 mm	Width (inches)	5.2362 inch
Net weight	403.4 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	f9d70a48-3ece-4d71-ba78-a0d617266ffc

General data

LED status display per channel	red	Disconnection per channel	No
Type of test point	No	Contact	No
Fuse per channel	1 A	LED status of the supply voltage	green
Power supply fuse	6.3 A		

Connection data

Number of poles (control side)	40-pole plug	Connection supply	LMNZF 5.08mm
Connection (field side)	LM3NZF 5.08mm	Connection on control side	2 x KS (40P)

Ratings data

Operating voltage	24 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 mm ²	Flexible with sleeve, min.	0.25 mm ²
Flexible with sleeve, max.	1.5 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
Flexible, min. H05(07) V-K	0.2 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
Clamping range, max.	2.5 mm ²	Clamping range, min.	0.13 mm ²

Creation date 24.02.2026 10:16:27 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 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		

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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