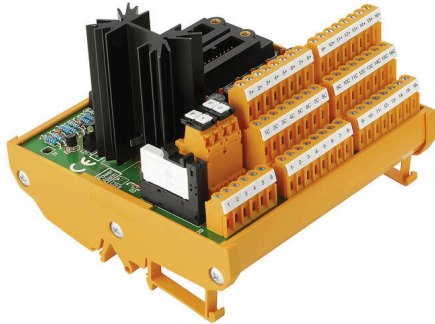


TBY-SAI143-F-L-PS-2KS-Z

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 |

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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 |
|---------------------|-------------|-----------------------|-------------|

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 | Contactors | 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 04.03.2026 05:45:18 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 | | |

