

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 pc(s).                                   |

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**Technical data**
**Dimensions and weights**

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 52 mm    | Depth (inches)  | 2.047 inch |
| Height     | 70 mm    | Height (inches) | 2.756 inch |
| Width      | 90 mm    | Width (inches)  | 3.543 inch |
| Net weight | 160.71 g |                 |            |

**Temperatures**

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

**General data**

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

**Connection data**

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

**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**

|                                  |                          |                              |                      |
|----------------------------------|--------------------------|------------------------------|----------------------|
| Clamping range, max.             | 2.5 mm <sup>2</sup>      | Clamping range, min.         | 0.13 mm <sup>2</sup> |
| Flexible with sleeve, max.       | 2.5 mm <sup>2</sup>      | Flexible with sleeve, min.   | 0.5 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>  |
| Max. wire cross-section, AWG     | AWG 14                   | Min. wire cross-section, AWG | AWG 24               |
| Sleeve with plastic collar, max. | 2.5 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               |
| Type of connection               | Tension-clamp connection |                              |                      |

**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                   |                                   |                      |

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|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002780    | ETIM 7.0    | EC002780    |
| ETIM 8.0    | EC002780    | ETIM 9.0    | EC002780    |
| ETIM 10.0   | 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 | ECLASS 14.0 | 27-14-11-52 |
| ECLASS 15.0 | 27-14-11-52 |             |             |

**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 |

**Approvals**

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                     |

**Downloads**

|            |                                          |
|------------|------------------------------------------|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
| Brochures  |                                          |

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**Drawings**