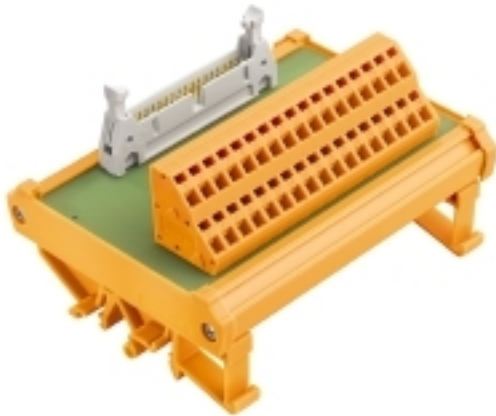


**RS F20 Z****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Similar to illustration

Passive interfaces for signal transmission on a flat-cable connector equipped with a tension-clamp connection in accordance with IEC 603-1 / DIN 41651. The main features include:

- Group with 10- to 64-pole connectors
- One-to-one electrical connection between controller and field connections.
- Very compact modules can be attached to conventional TS35 or TS32 mounting rails.
- Longer attachment hooks

**General ordering data**

|            |                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------|
| Version    | Interface, RSF, Plug-in connector in acc. with IEC60603-13 / DIN41651, 20-pole, Tension-clamp connection |
| Order No.  | <a href="#">8537110000</a>                                                                               |
| Type       | RS F20 Z                                                                                                 |
| GTIN (EAN) | 4032248172771                                                                                            |
| Qty.       | 1 pc(s).                                                                                                 |

Creation date September 14, 2022 10:08:55 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Depth      | 64 mm | Depth (inches)  | 2.52 inch  |
| Height     | 87 mm | Height (inches) | 3.425 inch |
| Width      | 65 mm | Width (inches)  | 2.559 inch |
| Net weight | 121 g |                 |            |

## Temperatures

|                     |             |                       |           |
|---------------------|-------------|-----------------------|-----------|
| Storage temperature | -40...70 °C | Operating temperature | 0...55 °C |
|---------------------|-------------|-----------------------|-----------|

## Environmental Product Compliance

|            |                |      |                                      |
|------------|----------------|------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | 3820ceea-2b49-4a61-bda5-08f3867b3419 |
|------------|----------------|------|--------------------------------------|

## Connection Data

|                         |               |                                |                                                       |
|-------------------------|---------------|--------------------------------|-------------------------------------------------------|
| Connection (field side) | LM2NZF 5.08mm | Connection on control side     | Plug-in connector in acc. with IEC60603-13 / DIN41651 |
| Earthing                | No            | Number of poles (control side) | 20-pole                                               |

## Rating data

|               |                   |                              |     |
|---------------|-------------------|------------------------------|-----|
| Rated voltage | 60 V AC / 75 V DC | Rated current per connection | 1 A |
|---------------|-------------------|------------------------------|-----|

## Insulation coordination (EN50178)

|                               |              |                          |       |
|-------------------------------|--------------|--------------------------|-------|
| According to                  | DIN EN 50178 | Rated insulation voltage | 100 V |
| Surge voltage category        | II           | Pollution severity level | 2     |
| Pulse voltage test (1,2/50µs) | 0.8 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.       | 1.5 mm <sup>2</sup>      | Flexible with sleeve, min.   | 0.25 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. | 1.5 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 |                              |                      |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002780    | ETIM 7.0    | EC002780    |
| ETIM 8.0    | 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 |

## Approvals

Approvals



ROHS

Conform

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## Technical data

### Downloads

Approval/Certificate/Document of  
Conformity

[Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Engineering Data

[WSCAD](#)

Catalogues

[Catalogues in PDF-format](#)

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## Drawings



N: Number of poles