

**RSF PLC  
RSF PLC 1W 32IO LEDS S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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Compact interfaces for transmitting 32 digital input/output signals (RSF SPS).

- Signals optionally with byte grouping (can be set using jumper).
- Can be switched between positive or negative signal (set with jumper)
- An optional LED status display shows the status and the operating voltages.
- Each circuit can be protected by 5x20 mm individual fuses.
- Available with tension-clamp or screw connection.

**General ordering data**

|            |   |
|------------|---|
| Type       | RSF PLC 1W 32IO LEDS S                            |
| Order No.  | <a href="#">1128160000</a>                        |
| Version    | Interface, RSF PLC, LED, 1-wire, Screw connection |
| GTIN (EAN) | 4032248909865                                     |
| Qty.       | 1 pc(s).  |

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

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Length     | 113 mm | Length (inches) | 4.449 inch |
| Width      | 87 mm  | Width (inches)  | 3.425 inch |
| Height     | 72 mm  | Height (inches) | 2.835 inch |
| Net weight | 240 g  |                 |            |

**Temperatures**

|                             |             |                             |             |
|-----------------------------|-------------|-----------------------------|-------------|
| Operating temperature, max. | 50 °C       | Operating temperature, min. | -25 °C      |
| Storage temperature, max.   | 60 °C       | Storage temperature, min.   | -40 °C      |
| Operating temperature       | -25...50 °C | Storage temperature         | -40...60 °C |

**General data**

|                                  |                                       |                   |       |
|----------------------------------|---------------------------------------|-------------------|-------|
| LED status display per channel   | Green (negative -) / red (positive +) | Fuse per channel  | No    |
| LED status of the supply voltage | yellow                                | Power supply fuse | 2.5 A |
| Default setting                  | Shared minus connection               |                   |       |

**Connection data**

|                            |   |                                |              |
|----------------------------|---|--------------------------------|--------------|
| Connection on control side | Plug-in connector in acc. with IEC60603-13 / DIN4 165 1 | Number of poles (control side) | 40-pole plug |
| Connection (field side)    | LP2N 5.08mm   | Connection supply              | LP2N 5.08mm  |
| Wiring system              | 1-wire  |                                |              |

**Ratings data**

|                       |                   |                          |     |
|-----------------------|-------------------|--------------------------|-----|
| Operating voltage     | 24 V DC $\pm$ 10% | Max. current per channel | 1 A |
| Max. current per byte | 2 A               |                          |     |

**Insulation coordination (EN50178)**

|                                     |              |                          |           |
|-------------------------------------|--------------|--------------------------|-----------|
| According to                        | DIN EN 50178 | Rated insulation voltage | < 50 V AC |
| Surge voltage category              | III          | Pollution severity level | 2         |
| Pulse voltage test (1,2/50 $\mu$ s) | 0.5 kV       | Insulation test voltage  | 0.35 kVAC |

**Connection field**

|                              |                     |                                  |                      |
|------------------------------|---------------------|----------------------------------|----------------------|
| Type of connection           | Screw connection    | Clamping range, min.             | 0.13 mm <sup>2</sup> |
| Clamping range, max.         | 6 mm <sup>2</sup>   | Solid, min. H05(07) V-U          | 0.5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U      | 6 mm <sup>2</sup>   | Flexible, min. H05(07) V-K       | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K   | 4 mm <sup>2</sup>   | Flexible with sleeve, max.       | 2.5 mm <sup>2</sup>  |
| Flexible with sleeve, min.   | 0.5 mm <sup>2</sup> | Sleeve with plastic collar, max. | 2.5 mm <sup>2</sup>  |
| Min. wire cross-section, AWG | AWG 26              | Max. wire cross-section, AWG     | AWG 12               |
| Tightening torque, min.      | 0.5 Nm              | Tightening torque, max.          | 0.6 Nm               |
| Stripping length             | 6 mm                |                                  |                      |

**Data sheet**

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**Technical data**

**Supply connection**

|                              |                     |                                   |                      |
|------------------------------|---------------------|-----------------------------------|----------------------|
| Type of connection           | Screw connection    | Clamping range, min.              | 0.13 mm <sup>2</sup> |
| Clamping range, max.         | 6 mm <sup>2</sup>   | Solid, min. H05(07) V-U           | 0.5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U      | 6 mm <sup>2</sup>   | Flexible, min. H05(07) V-K        | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K   | 4 mm <sup>2</sup>   | Flexible with sleeve, max.        | 2.5 mm <sup>2</sup>  |
| Flexible with sleeve, min.   | 0.5 mm <sup>2</sup> | Ferrule with plastic collar, max. | 2.5 mm <sup>2</sup>  |
| Wire cross-section, min. AWG | AWG 26              | Wire cross-section, max. AWG      | AWG 12               |
| Tightening torque, min.      | 0.5 Nm              | Tightening torque, max.           | 0.6 Nm               |
| Stripping length             | 6 mm                |                                   |                      |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 5.0   | EC002780    | ETIM 6.0   | EC002780    |
| eClass 6.2 | 27-24-22-04 | eClass 7.1 | 27-14-11-52 |
| eClass 8.1 | 27-14-11-52 | eClass 9.0 | 27-14-11-52 |
| eClass 9.1 | 27-14-11-52 |            |             |

**Product information**

Descriptive text technical data      Factory setting: Common negative pole

**Approvals**

Approvals



ROHS      Conform

**Downloads**

User Documentation      [Instruction Manual](#)

**Data sheet**

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**Drawings**

