

RS F10 LP3R 3/12**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

Passive interfaces for signal transmission on a flat-cable connector equipped with a clamping-yoke 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 triple-level modules can be attached to conventional TS35 or TS32 mounting rails.
- Longer attachment hooks
- Pin for the earth connection.

General ordering data

| | |
|------------|--|
| Version | Interface, RSF, Plug-in connector in acc. with IEC60603-13 / DIN41651, 10-pole, Screw connection |
| Order No. | 8012850000 |
| Type | RS F10 LP3R 3/12 |
| GTIN (EAN) | 4008190094737 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|------------|
| Depth | 76 mm | Depth (inches) | 2.992 inch |
| Height | 87 mm | Height (inches) | 3.425 inch |
| Width | 40 mm | Width (inches) | 1.575 inch |
| Net weight | 103 g | | |

Temperatures

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

Connection Data

| | | | |
|-----------------------------|--------------------|--------------------------------|---|
| Connection (field side) | LL3R 5.08 mm | Connection on control side | Plug-in connector in acc. with IEC60603-13 / DIN41651 |
| Earthing | Yes | Number of poles (control side) | 10-pole |
| Protective earth connection | Flat-blade contact | | |

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002780 | ETIM 7.0 | EC002780 |
| ETIM 8.0 | EC002780 | ETIM 9.0 | 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 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 7b5ffb72-271d-4c73-8b09-bd0aeee3697a |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search UL Website

Certificate No. (UR) E141197

Downloads

Approval/Certificate/Document of Conformity

[Declaration of Conformity](#)

Product Change Notification

[20201111 Technical change to RSF S Compact family](#)

Catalogues

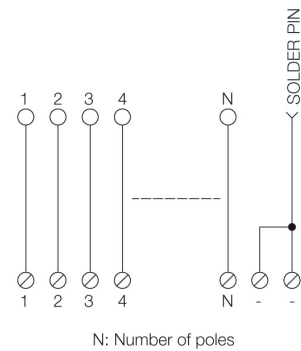
[Catalogues in PDF-format](#)

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Drawings



RS F10 LP3R 3/12**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****Steel**

Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TS 32X15 2M/ST/ZN | Version |
| Order No. | 0122800000 | Terminal rail, without slot, Accessories, 33 x 15 x 2000 mm, Steel, |
| GTIN (EAN) | 4008190066307 | galvanic zinc plated and passivated |
| Qty. | 2 m | |

Aluminum

Aluminum has the second best electrical conductivity after copper. One advantage is low weight, anMiscellaneous is outstanding corrosion protection.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TS 35X15/2.3 2M/AL/BK | Version |
| Order No. | 1848290000 | Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, |
| GTIN (EAN) | 4032248385614 | Aluminium, untreated |
| Qty. | 2 m | |

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Accessories

SAK-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | EW 35 | Version |
| Order No. | 0383560000 | End bracket, Wemid, beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190181314 | |
| Qty. | 50 pc(s). | |

Steel



Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TS 35X15/2.3 2M/ST/ZN | Version |
| Order No. | 0498000000 | Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, Steel, |
| GTIN (EAN) | 4008190042493 | galvanic zinc plated and passivated |
| Qty. | 2 m | |
| Type | TS 35X7.5 2M/ST/ZN | Version |
| Order No. | 0383400000 | Terminal rail, without slot, Accessories, 35 x 7.5 x 2000 mm, Steel, |
| GTIN (EAN) | 4008190088026 | galvanic zinc plated and passivated |
| Qty. | 2 m | |

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www.weidmueller.com**Accessories****TS 32**TS 32

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | EWK 2 | Version |
| Order No. | 0199360000 | End bracket, Wemid, beige, Rail: TS 32, when screwed in |
| GTIN (EAN) | 4008190023546 | |
| Qty. | 50 pc(s). | |

Copper

Copper has the best electrical conductivity of all metals used. The copper rail has the highest short-circuit protection.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TS 35X15/2.3 2M/CU/BK | Version |
| Order No. | 0270100000 | Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, Copper, |
| GTIN (EAN) | 4008190105136 | untreated |
| Qty. | 2 m | |