

**RS F16 LP3R 3/18****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 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, 16-pole, Screw connection
Order No.	<a href="#">8012870000</a>
Type	RS F16 LP3R 3/18
GTIN (EAN)	4008190126865
Qty.	1 pc(s).

## RS F16 LP3R 3/18

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Depth	76 mm	Depth (inches)	2.992 inch
Height	87 mm	Height (inches)	3.425 inch
Width	50 mm	Width (inches)	1.969 inch
Net weight	122 g		

## Temperatures

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

## Connection Data

Connection (field side)		Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
	LL3R 5.08 mm		
Earthing	Yes	Number of poles (control side)	16-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 <sup>2</sup>	Clamping range, min.	0.5 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	4 mm <sup>2</sup>	Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	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-bd0aaee3697a

**RS F16 LP3R 3/18****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

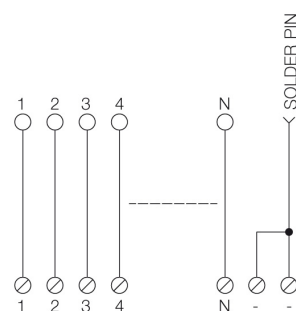
[Catalogues in PDF-format](#)

**RS F16 LP3R 3/18****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

N: Number of poles

## RS F16 LP3R 3/18

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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

## 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.	<a href="#">0383560000</a>	End bracket, Wemid, beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	

**RS F16 LP3R 3/18****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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.	<a href="#">0270100000</a>	Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, Copper,
GTIN (EAN)	4008190105136	untreated
Qty.	2 m	

**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.	<a href="#">0122800000</a>	Terminal rail, without slot, Accessories, 33 x 15 x 2000 mm, Steel,
GTIN (EAN)	4008190066307	galvanic zinc plated and passivated
Qty.	2 m	

**RS F16 LP3R 3/18****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

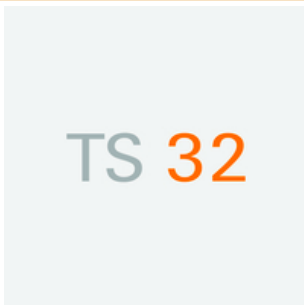
Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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.	<a href="#">1848290000</a>	Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm,
GTIN (EAN)	4032248385614	Aluminium, untreated
Qty.	2 m	

**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.	<a href="#">0199360000</a>	End bracket, Wemid, beige, Rail: TS 32, when screwed in
GTIN (EAN)	4008190023546	
Qty.	50 pc(s).	