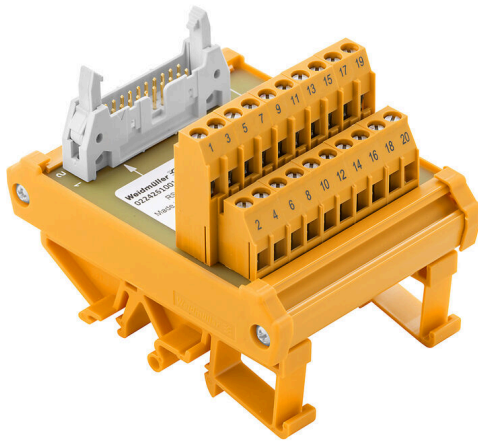


**RS F20 LP2N 5/20****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com



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 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, Screw connection
Order No.	<a href="#">0224261001</a>
Type	RS F20 LP2N 5/20
GTIN (EAN)	4032248047161
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS	Conform
UL File Number Search	<a href="#">UL Website</a>
Certificate No. (UR)	E141197

## Dimensions and weights

Depth	70 mm	Depth (inches)	2.7559 inch
Height	87 mm	Height (inches)	3.4252 inch
Width	65 mm	Width (inches)	2.5591 inch
Net weight	130 g		

## Temperatures

Storage temperature	-40...60 °C	Operating temperature	0...55 °C
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## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

## Rated data UL

Rated current I <sub>N</sub>	1 A	Operating temperature UL, min.	0 °C
Operating temperature UL, max.	25 °C	Rated current I <sub>max</sub>	1 A
Rated voltage UN	≤ 60 V AC / 75 V DC		

## Connection Data

Number of poles (control side)	20-pole	Connection (field side)	LL2N 5.08 mm
Earthing	No	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651

## Rating data

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

Min. wire cross-section, AWG	AWG 26	Type of connection	Screw connection
Sleeve with plastic collar, max.	2.5 mm <sup>2</sup>	Flexible with sleeve, min.	0.5 mm <sup>2</sup>
Flexible with sleeve, max.	2.5 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>	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

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## Technical data

Clamping range, max.	6 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Max. wire cross-section, AWG	AWG 12		

### Classifications

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

Drawings



N: Number of poles

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## 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.	<a href="#">0122800000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,	
GTIN (EAN)	4008190066307	Width: 2000 mm, Height: 33 mm, Depth: 15 mm	
Qty.	20 M		

### Aluminum



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

#### General ordering data

Type	TS 32X15 2M/AL/BK	Version	
Order No.	<a href="#">0169300000</a>	Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm,	
GTIN (EAN)	4008190105167	Height: 33 mm, Depth: 15 mm	
Qty.	20 M		

### End bracket



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, beige, TS 32, V-0, Wemid, Width: 15 mm, 100 °C	
GTIN (EAN)	4008190023546		
Qty.	50 ST		

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## Accessories

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## Steel



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## General ordering data

Type	TS 35X15 2M/ST/ZN	Version
Order No.	<a href="#">0236400000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190114558	Width: 2000 mm, Height: 35 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 35X15/LL 2M/ST/ZN	Version
Order No.	<a href="#">0236500000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190183967	Width: 2000 mm, Height: 35 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 35X15/LL 1M/ST/ZN	Version
Order No.	<a href="#">0236510000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190017699	Width: 1000 mm, Height: 35 mm, Depth: 15 mm
Qty.	10 M	

## End bracket



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## General ordering data

Type	EW 35/SCHA/M3	Version
Order No.	<a href="#">0258660000</a>	End bracket, beige, TS 35, V-2, Wemid, Width: 16.5 mm, 100 °C
GTIN (EAN)	4008190033477	
Qty.	20 ST	

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## Accessories

### Aluminum



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

#### General ordering data

Type	TS 35X7.5 2M/AL/BK	Version	
Order No.	<a href="#">0330800000</a>	Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm,	
GTIN (EAN)	4008190100650	Height: 35 mm, Depth: 7.5 mm	
Qty.	40 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 35X7.5 2M/ST/ZN	Version	
Order No.	<a href="#">0383400000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,	
GTIN (EAN)	4008190088026	Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm	
Qty.	40 M		
Type	TS 35X7.5 1M/ST/ZN	Version	
Order No.	<a href="#">0383410000</a>	Terminal rail, Accessories, Steel, galvanized, chromium-plated, Width:	
GTIN (EAN)	4008190115623	1000 mm, Height: 35 mm, Depth: 7.5 mm	
Qty.	20 M		

### End bracket



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## Accessories

### General ordering data

Type	EW 35 GR 7032	Version
Order No.	<a href="#">0383530000</a>	End bracket, grey, TS 35, V-0, Wemid, Width: 9 mm, 120 °C
GTIN (EAN)	4008190027322	
Qty.	50 ST	
Type	EW 35	Version
Order No.	<a href="#">0383560000</a>	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	

### Steel



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### General ordering data

Type	TS 35X15/2.3 2M/ST/ZN	Version
Order No.	<a href="#">0498000000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190042493	Width: 2000 mm, Height: 35 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 32X15/LL 2M/ST/ZN	Version
Order No.	<a href="#">0514400000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190086152	Width: 2000 mm, Height: 33 mm, Depth: 15 mm
Qty.	20 M	
Type	TS 35X7.5/LL 2M/ST/ZN	Version
Order No.	<a href="#">0514500000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190046019	Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm
Qty.	40 M	
Type	TS 35X7.5/LL 1M/ST/ZN	Version
Order No.	<a href="#">0514510000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,
GTIN (EAN)	4008190116620	Width: 1000 mm, Height: 35 mm, Depth: 7.5 mm
Qty.	20 M	

### End bracket



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## Accessories

## General ordering data

Type	WEW 35/1	Version
Order No.	<a href="#">1059000000</a>	End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C
GTIN (EAN)	4008190172282	
Qty.	50 ST	
Type	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C
GTIN (EAN)	4008190030230	
Qty.	50 ST	

## Stainless steel



Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

## General ordering data

Type	TS 35X7.5 2M/CRN	Version
Order No.	<a href="#">1747350000</a>	Terminal rail, Accessories, Stainless steel 1.4301, untreated, Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm
GTIN (EAN)	4032248003372	
Qty.	40 M	

## End bracket



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## General ordering data

Type	ZEW 35	Version
Order No.	<a href="#">9540000000</a>	End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C
GTIN (EAN)	4008190956264	
Qty.	20 ST	

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## Accessories

### Steel



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#### General ordering data

Type	TS 35X7.5/LL 2M/ST/SZ	Version	
Order No.	<a href="#">7915060000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,	
GTIN (EAN)	4032248296279	Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm	
Qty.	40 M		

### Stainless steel



Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

#### General ordering data

Type	TS 32X15 2M/CRN	Version	
Order No.	<a href="#">0293220000</a>	Terminal rail, Accessories, Stainless steel, rust-proof, untreated, Width:	
GTIN (EAN)	4032248014026	2000 mm, Height: 33 mm, Depth: 15 mm	
Qty.	20 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 35X15/LL 2M/ST/SZ	Version	
Order No.	<a href="#">7907490000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,	
GTIN (EAN)	4032248296262	Width: 2000 mm, Height: 35 mm, Depth: 15 mm	
Qty.	20 M		

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## Accessories

### Plastic



Plastic DIN rails have insulating properties and are very light. They can be used where clearance and creepage distances to the support bracket cannot be achieved with standard DIN rails.

### General ordering data

Type	TSK 35X15 2M PVC/GR	Version	
Order No.	<a href="#">0514300000</a>	Terminal rail, Accessories, PVC, untreated, Width: 2000 mm, Height:	
GTIN (EAN)	4008190052263	35 mm, Depth: 15 mm	
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 35X7.5 2M/ST/SZ	Version	
Order No.	<a href="#">9300090000</a>	Terminal rail, Accessories, Steel, galvanic zinc plated and passivated,	
GTIN (EAN)	4032248387564	Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm	
Qty.	40 M		

### End bracket



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### General ordering data

Type	ZEW 35/2	Version	
Order No.	<a href="#">8630740000</a>	End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C	
GTIN (EAN)	4032248348916		
Qty.	20 ST		