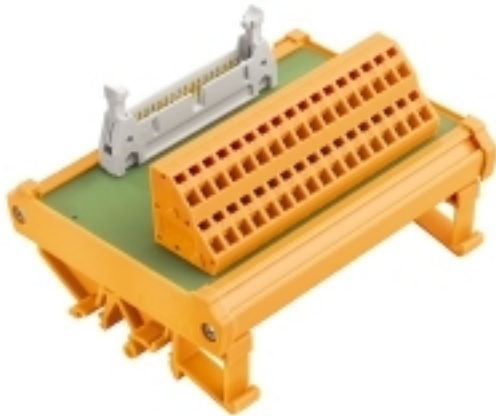


**RS F50 Z****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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, 50-pole, Tension-clamp connection
Order No.	<a href="#">8537150000</a>
Type	RS F50 Z
GTIN (EAN)	4032248172801
Qty.	1 pc(s).

## RS F50 Z

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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	145 mm	Width (inches)	5.709 inch
Net weight	234 g		

## Temperatures

Storage temperature	-40...70 °C	Operating temperature	0...55 °C
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## Connection Data

Connection (field side)		Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
	LM2NZF 5.08mm		
Earthing	No	Number of poles (control side)	50-pole

## 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

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	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

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E141197

## RS F50 Z

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## Technical data

### Downloads

Approval/Certificate/Document of Con-  
formity

[Declaration of Conformity](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

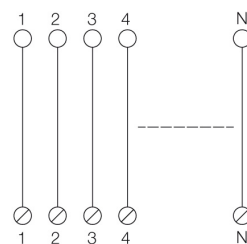
[Catalogues in PDF-format](#)

## RS F50 Z

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## Drawings



N: Number of poles

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****W-Series**

W  
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	WEW 35/2	Version
Order No.	<a href="#">1061200000</a>	End bracket, Wemid, dark beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	
Type	WEW 35/1	Version
Order No.	<a href="#">1059000000</a>	End bracket, Wemid, dark beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

**SAK-Series**

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/SCHA/M3	Version
Order No.	<a href="#">0258660000</a>	End bracket, Wemid, beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190033477	
Qty.	20 pc(s).	
Type	EW 35 GR 7032	Version
Order No.	<a href="#">0383530000</a>	End bracket, Wemid, grey, Rail: TS 35, when screwed in
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	
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 F50 Z

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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 35X7.5/LL 2M/ST/SZ	Version
Order No.	<a href="#">7915060000</a>	Terminal rail, with slot, Accessories, 35 x 7.5 x 2000 mm, Slit width:
GTIN (EAN)	4032248296279	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated
Type	TS 35X15 2M/ST/ZN	Version
Order No.	<a href="#">0236400000</a>	Terminal rail, without slot, Accessories, 35 x 15 x 2000 mm, Steel,
GTIN (EAN)	4008190114558	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	
Type	TS 35X7.5/LL 2M/ST/ZN	Version
Order No.	<a href="#">0514500000</a>	Terminal rail, with slot, Accessories, 35 x 7.5 x 2000 mm, Slit width:
GTIN (EAN)	4008190046019	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated
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/LL 2M/ST/ZN	Version
Order No.	<a href="#">0236500000</a>	Terminal rail, with slot, Accessories, 35 x 15 x 2000 mm, Slit width:
GTIN (EAN)	4008190183967	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated
Type	TS 35X7.5 2M/ST/SZ	Version
Order No.	<a href="#">9300090000</a>	Terminal rail, without slot, Accessories, 35 x 7.5 x 2000 mm, Steel,
GTIN (EAN)	4032248387564	galvanic zinc plated and passivated
Qty.	2 m	
Type	TS 35X7.5/LL 1M/ST/ZN	Version
Order No.	<a href="#">0514510000</a>	Terminal rail, with slot, Accessories, 35 x 7.5 x 1000 mm, Slit width:
GTIN (EAN)	4008190116620	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	1 m	passivated
Type	TS 35X15/LL 1M/ST/ZN	Version
Order No.	<a href="#">0236510000</a>	Terminal rail, with slot, Accessories, 35 x 15 x 1000 mm, Slit width:
GTIN (EAN)	4008190017699	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	1 m	passivated
Type	TS 35X15/LL 2M/ST/SZ	Version
Order No.	<a href="#">7907490000</a>	Terminal rail, with slot, Accessories, 35 x 15 x 2000 mm, Slit width:
GTIN (EAN)	4032248296262	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated

Creation date April 28, 2024 10:42:48 PM CEST

Catalogue status 20.04.2024 / We reserve the right to make technical changes.

## RS F50 Z

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## Accessories

Type	TS 35X7.5 1M/ST/ZN	Version
Order No.	<a href="#">0383410000</a>	Terminal rail, without slot, Accessories, 35 x 7.5 x 1000 mm, Steel,
GTIN (EAN)	4008190115623	galvanized, chromium-plated
Qty.	1 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 35X7.5 2M/AL/BK	Version
Order No.	<a href="#">0330800000</a>	Terminal rail, without slot, Accessories, 35 x 7.5 x 2000 mm,
GTIN (EAN)	4008190100650	Aluminium, untreated
Qty.	2 m	

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	

## 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, without slot, Accessories, 35 x 15 x 2000 mm, PVC,
GTIN (EAN)	4008190052263	untreated
Qty.	2 m	

## RS F50 Z

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## Accessories

## Z-Series



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## General ordering data

Type	ZEW 35	Version
Order No.	<a href="#">9540000000</a>	End bracket, Wemid, dark beige, Rail: TS 35, Snap-on
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	
Type	ZEW 35/2	Version
Order No.	<a href="#">8630740000</a>	End bracket, Wemid, dark beige, Rail: TS 35, Snap-on
GTIN (EAN)	4032248348916	
Qty.	20 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 32X15/LL 2M/ST/ZN	Version
Order No.	<a href="#">0514400000</a>	Terminal rail, with slot, Accessories, 33 x 15 x 2000 mm, Slit width:
GTIN (EAN)	4008190086152	5.20 mm, Slit length: 25.00 mm, Steel, galvanic zinc plated and
Qty.	2 m	passivated
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	

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[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	

**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, without slot, Accessories, 35 x 7.5 x 2000 mm,
GTIN (EAN)	4032248003372	Stainless steel, rust-proof, Stainless steel 1.4301, untreated
Qty.	2 m	

## RS F50 Z

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## Accessories

## Aluminum

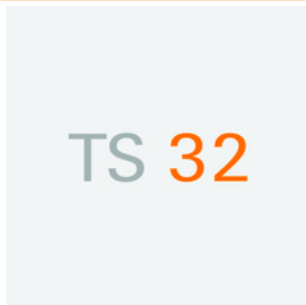


Aluminum has the second best electrical conductivity after copper. One advantage is low weight, another is outstanding corrosion protection.

## General ordering data

Type	TS 32X15 2M/AL/BK	Version
Order No.	<a href="#">0169300000</a>	Terminal rail, without slot, Accessories, 33 x 15 x 2000 mm,
GTIN (EAN)	4008190105167	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 1 ALT	Version
Order No.	<a href="#">0495160000</a>	End bracket, Polyamide 66, beige, Rail: TS 32, when screwed in
GTIN (EAN)	4008190160777	
Qty.	50 pc(s).	
Type	EWK 1	Version
Order No.	<a href="#">0206160000</a>	End bracket, Wemid, beige, Rail: TS 32, when screwed in
GTIN (EAN)	4008190080020	
Qty.	50 pc(s).	
Type	WEW 32/1	Version
Order No.	<a href="#">1067600000</a>	End bracket, PA 66 GF 30, dark beige, Rail: TS 32, when screwed in
GTIN (EAN)	4008190099657	
Qty.	50 pc(s).	
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).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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, without slot, Accessories, 33 x 15 x 2000 mm, Stainless
GTIN (EAN)	4032248014026	steel, rust-proof, untreated
Qty.	2 m	