

**RS F40 Z****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 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, 40-pole, Tension-clamp connection
Order No.	<a href="#">8537140000</a>
Type	RS F40 Z
GTIN (EAN)	4032248172795
Qty.	1 pc(s).

Creation date July 3, 2024 8:27:08 PM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

## RS F40 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	115 mm	Width (inches)	4.528 inch
Net weight	198 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)	40-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

## Environmental Product Compliance

REACH SVHC /

**Data sheet****RS F40 Z**

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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	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

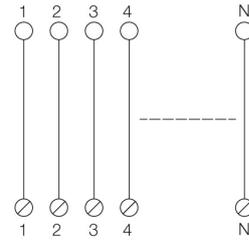
**Data sheet**

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**Drawings**



N: Number of poles

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**Accessories**

**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).	

**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	

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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	

### 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, 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	

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## Accessories

## SAK-Series



SAK  
Series

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## 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	Version
Order No.	<a href="#">0383560000</a>	End bracket, Wemid, beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190181314	
Qty.	50 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).	

## 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 steel, rust-proof, untreated
GTIN (EAN)	4032248014026	
Qty.	2 m	

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**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	

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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/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	

## 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, without slot, Accessories, 35 x 7.5 x 2000 mm, Steel,
GTIN (EAN)	4032248387564	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 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/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

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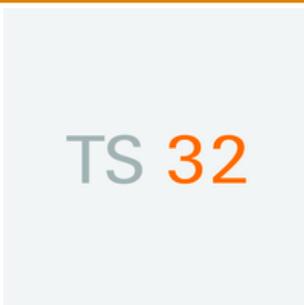
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## Accessories

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	
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
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 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/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 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

## 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	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).	

## Data sheet

### RS F40 Z

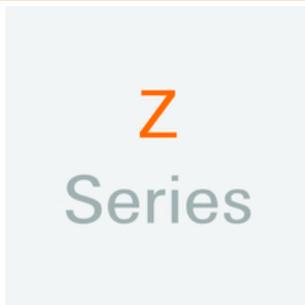
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## Accessories

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).	

### 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).	