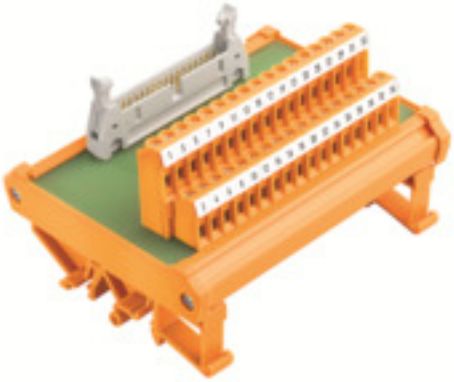
RS F50 LP2N 5/50

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 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, Screw connection
Order No.	0224561001
Type	RS F50 LP2N 5/50
GTIN (EAN)	4032248047031
Qty.	1 pc(s).

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	70 mm	Depth (inches)	2.756 inch
Height	87 mm	Height (inches)	3.425 inch
Width	145 mm	Width (inches)	5.709 inch
Net weight	260 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	0...55 °C

Connection Data

Connection (field side)	LL2N 5.08 mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
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

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 mm²	Clamping range, min.	0.5 mm²
Flexible with sleeve, max.	2.5 mm²	Flexible with sleeve, min.	0.5 mm²
Flexible, max. H05(07) V-K	4 mm²	Flexible, min. H05(07) V-K	0.5 mm²
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm²	Solid, max. H05(07) V-U	6 mm²
Solid, min. H05(07) V-U	0.5 mm²	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

Approvals

Approvals

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

Creation date March 28, 2024 9:44:34 PM CET

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Downloads

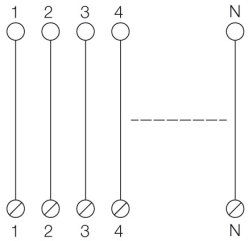
Approval/Certificate/Document of Conformity	Declaration of Conformity
Product Change Notification	20200716-PCN-PL35-A-EN-External
Catalogues	Catalogues in PDF-format
Brochures	

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings



N: Number of poles

RS F50 LP2N 5/50

Weidmüller Interface GmbH & 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 35X15/LL 1M/ST/ZN	Version
Order No.	0236510000	Rail, TS 35, TS 35 x 15, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190017699	passivated
Qty.	1 m	
Type	TS 35X7.5/LL 1M/ST/ZN	Version
Order No.	0514510000	Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190116620	passivated
Qty.	1 m	
Type	TS 35X15/LL 2M/ST/ZN	Version
Order No.	0236500000	Rail, TS 35, TS 35 x 15, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190183967	passivated
Qty.	2 m	
Type	TS 35X15/LL 2M/ST/SZ	Version
Order No.	7907490000	Rail, TS 35, TS 35 x 15, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4032248296262	passivated
Qty.	2 m	
Type	TS 35X7.5/LL 2M/ST/ZN	Version
Order No.	0514500000	Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190046019	passivated
Qty.	2 m	
Type	TS 35X15 2M/ST/ZN	Version
Order No.	0236400000	Rail, TS 35, TS 35 x 15, without slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190114558	passivated
Qty.	2 m	
Type	TS 35X7.5 1M/ST/ZN	Version
Order No.	0383410000	Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanized, chromium-
GTIN (EAN)	4008190115623	plated
Qty.	1 m	
Type	TS 35X7.5 2M/ST/SZ	Version
Order No.	9300090000	Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanic zinc plated and
GTIN (EAN)	4032248387564	passivated
Qty.	2 m	
Type	TS 35X7.5 2M/ST/ZN	Version
Order No.	0383400000	Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190088026	passivated
Qty.	2 m	
Type	TS 35X15/2.3 2M/ST/ZN	Version
Order No.	0498000000	Rail, TS 35, TS 35 x 15, without slot, Steel, galvanic zinc plated and
GTIN (EAN)	4008190042493	passivated
Qty.	2 m	

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

Type	TS 35X7.5/LL 2M/ST/SZ	Version
Order No.	7915060000	Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and
GTIN (EAN)	4032248296279	passivated
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.	1747350000	Rail, TS 35, TS 35 x 7.5, without slot, Stainless steel, rust-proof,
GTIN (EAN)	4032248003372	Stainless steel 1.4301, 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 32X15 2M/CRN	Version
Order No.	0293220000	Rail, TS 32, without slot, Stainless steel, rust-proof, untreated
GTIN (EAN)	4032248014026	
Qty.	2 m	

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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.	0514300000	Rail, TS 35, TS 35 x 15, without slot, PVC, untreated
GTIN (EAN)	4008190052263	
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 32X15 2M/AL/BK	Version
Order No.	0169300000	Rail, TS 32, without slot, Aluminium, untreated
GTIN (EAN)	4008190105167	
Qty.	2 m	

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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.	1061200000	W-Series, End bracket
GTIN (EAN)	4008190030230	
Qty.	50 pc(s).	

Type	WEW 35/1	Version
Order No.	1059000000	W-Series, End bracket
GTIN (EAN)	4008190172282	
Qty.	50 pc(s).	

Z-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	ZEW 35/2	Version
Order No.	8630740000	Z-series, End bracket
GTIN (EAN)	4032248348916	
Qty.	20 pc(s).	

Type	ZEW 35	Version
Order No.	9540000000	Z-series, End bracket
GTIN (EAN)	4008190956264	
Qty.	20 pc(s).	

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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 GR 7032	Version
Order No.	0383530000	Accessories, End bracket
GTIN (EAN)	4008190027322	
Qty.	50 pc(s).	

Type	EW 35	Version
Order No.	0383560000	Accessories, End bracket
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	

Type	EW 35/SCHA/M3	Version
Order No.	0258660000	Accessories, End bracket
GTIN (EAN)	4008190033477	
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 2M/ST/ZN	Version
Order No.	0122800000	Rail, TS 32, without slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190066307	
Qty.	2 m	

Type	TS 32X15/LL 2M/ST/ZN	Version
Order No.	0514400000	Rail, TS 32, with slot, Steel, galvanic zinc plated and passivated
GTIN (EAN)	4008190086152	
Qty.	2 m	

RS F50 LP2N 5/50

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Accessories

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	Accessories, End bracket
GTIN (EAN)	4008190023546	
Qty.	50 pc(s).	

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.	0330800000	Rail, TS 35, TS 35 x 7.5, without slot, Aluminium, untreated
GTIN (EAN)	4008190100650	
Qty.	2 m	