

RS F40 16RS OUT 24VDC E**Weidmüller Interfaces GmbH & Co. KG**

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The RS F40 or RS F10 interface elements (for 32 or 8 signals) enable a relay to be used to isolate signals coming from the PLC with sensors and field actuators.

The main characteristics are:

- Tension-clamp or screw connection system
- Signals grouped according to bytes.
- Extremely compact modules in RS 45 profile section for installation on standard TS35 mounting rail.

General ordering data

Version	RCL314024, Screw connection
Order No.	8224191001
Type	RS F40 16RS OUT 24VDC E
GTIN (EAN)	4032248159888
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	76 mm	Depth (inches)	2.992 inch
Height	87 mm	Height (inches)	3.425 inch
Width	350 mm	Width (inches)	13.78 inch
Net weight	737 g		

Temperatures

Storage temperature	-40...70 °C	Operating temperature	0...55 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1, 4,4'-isopropylidenediphenol 80-05-7	SCIP	Ofd0d740-f177-4ac0-84cb-3d19c0ed02de
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General data

LED status display per relay	green	Disconnecter per relay	No
Fuse per relay	No	Switch	No
LED status of the supply voltage	yellow	Power supply fuse	No

Connection data

Connection (field side)	LP 5.08mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651
Connection supply	LP 5.08mm	Number of poles (control side)	20-pole

Rating data

Mechanical service life	3 x 10 ⁷ switching cycles	Switch-on delay	< 8 ms
Switch-off delay	< 7 ms		

Ratings data input

Input voltage	24 V DC ± 10%	Power rating	0.75 W
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Ratings data output

Min. switching current	100 mA	Relay type	RCL314024
Type of output	Potential-free contact	Contact material	AgNi 90/10
Max. AC continuous current	6 A	AC peak current	8 A

Insulation coordinates (EN50178)

According to	DIN EN 50178	Rated input insulation voltage	< 50 V AC
Rated output insulation voltage	< 250 V AC	Overvoltage category input/input	II
Overvoltage category input/output	III	Overvoltage category output/output	II
Pollution severity level	2		

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Connection field

Clamping range, max.	6 mm ²	Clamping range, min.	0.13 mm ²
Flexible with sleeve, max.	2.5 mm ²	Flexible with sleeve, min.	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Max. wire cross-section, AWG	AWG 12	Min. wire cross-section, AWG	AWG 26
Sleeve with plastic collar, max.	2.5 mm ²	Solid, max. H05(07) V-U	6 mm ²
Solid, min. H05(07) V-U	0.5 mm ²	Stripping length	6 mm
Tightening torque, max.	0.6 Nm	Tightening torque, min.	0.5 Nm
Type of connection	Screw connection		

Supply connection

Type of connection	Screw connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	6 mm ²	Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
Flexible, max. H05(07) V-K	4 mm ²	Flexible with sleeve, max.	2.5 mm ²
Flexible with sleeve, min.	0.5 mm ²	Ferrule with plastic collar, max.	2.5 mm ²
Wire cross-section, min. AWG	AWG 26	Wire cross-section, max. AWG	AWG 12
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Stripping length	6 mm		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ECLASS 9.0	27-14-11-52
ECLASS 9.1	27-24-22-16	ECLASS 10.0	27-14-11-52
ECLASS 11.0	27-14-11-52	ECLASS 12.0	27-14-11-52

Approvals

Approvals



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Engineering Data	WSCAD
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