

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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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.	8224181001
Type	RS F40 16RS OUT 24VDC
GTIN (EAN)	4032248063338
Qty.	1 items
Delivery status	Discontinued

RS F40 16RS OUT 24VDC

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

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	76 mm	Depth (inches)	2.9921 inch
Height	87 mm	Height (inches)	3.4252 inch
Width	350 mm	Width (inches)	13.7795 inch
Net weight	748 g		

Temperatures

Storage temperature	-40...70 °C	Operating temperature	0...55 °C
---------------------	-------------	-----------------------	-----------

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1, 4,4'-isopropylidenediphenol 80-05-7
SCIP	0fd0d740-f177-4ac0-84cb-3d19c0ed02de

General data

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

Connection data

Number of poles (control side)	40-pole plug	Connection supply	LP 5.08mm
Connection (field side)	LP 5.08mm	Connection on control side	Plug-in connector in acc. with IEC60603-13 / DIN41651

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%	Input current	30 mA
Power rating	0.75 W		

Ratings data output

Min. switching current	100 mA	Relay type	RCL314024
Type of output	Potential-free contact	Material of contacts	AgNi 90/10
Max. AC continuous current	6 A	AC peak current	8 A
Minimum contact current	0.01 A	Minimum contact voltage	12 V

RS F40 16RS OUT 24VDC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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	Pulse voltage test (1,2/50µs)	6 kV
Insulation test voltage AC	4.4 kV	Clearance input/output	≥ 5.5 mm

Connection field

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

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 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		



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

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****1 CO contact (AgNi contacts)**

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

General ordering data

Type	RCL314024	Version
Order No.	8693260000	TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi,
GTIN (EAN)	4032248364718	Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in
Qty.	20 ST	connection, Test button available: No