

RS ELCO 56/54RM S

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



ELCO contacts inserts are used in electrical power plants, refineries and a variety of process applications – wherever stable and reliable signal transmission is required. The ELCO connector features both a reliable connection system and a high signal capacity.

The line of RS ELCO interfaces and pre-assembled PAC ELCO cables is a specially designed solution for these requirements.

General ordering data

Version	Interface, RS ELCO, ELCO plug-in connector, 54, LP2N 5.08mm
Order No.	1126730000
Type	RS ELCO 56/54RM S
GTIN (EAN)	4032248908264
Qty.	1 ST

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Technical data

Approvals

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

Dimensions and weights

Depth	60 mm	Depth (inches)	2.3622 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	155 mm	Width (inches)	6.1024 inch
Net weight	420 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aaee3697a

Rated data UL

Rated current IN	1 A	Operating temperature UL, min.	-25 °C
Operating temperature UL, max.	50 °C	Rated voltage UN	150 V AC / 200 V DC

Connection Data

Number of poles (control side)	56-pole plug	Polarity hardware codification	1
Connection (field side)	LP2N 5.08mm	Contact material (control side)	Phosphor bronze alloy
Connection on control side	ELCO plug-in connector		

Rating data

Rated voltage	150 V AC / 200 V DC	Rated current per connection	1.5 A
Total operating current	81 A		

Insulation coordination (EN50178)

According to	DIN EN 50178	Rated insulation voltage	<150 V AC
Surge voltage category	II	Pollution severity level	2
Pulse voltage test (1,2/50µs)	2.5 kV	Insulation test voltage AC	0.8 kV

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

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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.	0.5 mm ²
Max. wire cross-section, AWG	AWG 12		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
ETIM 8.0	EC002780	ETIM 9.0	EC002780
ETIM 10.0	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	ECLASS 14.0	27-14-11-52
ECLASS 15.0	27-14-11-52		

Drawings

