

RS ELCO 90/90LM S**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

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, 90, LP2N 5.08mm
Order No.	1126870000
Type	RS ELCO 90/90LM S
GTIN (EAN)	4032248908615
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	76 mm	Depth (inches)	2.992 inch
Height	109 mm	Height (inches)	4.291 inch
Width	242 mm	Width (inches)	9.528 inch
Net weight	591 g		

Temperatures

Storage temperature	-40...60 °C	Operating temperature	-25...50 °C
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Connection Data

Connection (field side)	LP2N 5.08mm	Connection on control side	ELCO plug-in connector
Connector alignment	Left	Contact material (control side)	Phosphor bronze alloy
Number of poles (control side)	90-pole plug	Polarity hardware codification	1

Rating data

Rated voltage	150 V AC / 200 V DC	Rated current per connection	0.5 A
Total operating current	45 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

Clamping range, max.	6 mm ²	Clamping range, min.	0.5 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		

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	Lead 7439-92-1
SCIP	7b5ffb72-271d-4c73-8b09-bd0aeee3697a

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Technical data

Approvals

Approvals



ROHS

Conform

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Approval/Certificate/Document of Con-
formity

[K338_01_11.pdf](#)

Product Change Notification

[20220822 Technical change to RS ELCO modules](#)

User Documentation

[Table of connections](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

RS ELCO 90/90LM S

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Drawings

