

RS ELCO
RS ELCO 90/90LM Z**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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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

Type	RS ELCO 90/90LM Z
Order No.	1126880000
Version	Interface, RS ELCO, ELCO plug-in connector, 90, LM2NZF 5.08mm
GTIN (EAN)	4032248908523
Qty.	1 pc(s).

Creation date May 1, 2020 10:35:18 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

Length	242 mm	Length (inches)	9.528 inch
Width	109 mm	Width (inches)	4.291 inch
Height	76 mm	Height (inches)	2.992 inch
Net weight	420 g		

Temperatures

Operating temperature, max.	50 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	60 °C	Storage temperature, min.	-40 °C
Operating temperature	-25...50 °C	Storage temperature	-40...60 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Connection Data

Connection on control side	ELCO plug-in connector	Number of poles (control side)	90-pole plug
Contact material (control side)	Phosphor bronze alloy	Polarity hardware codification	1
Connector alignment	Left	Connection (field side)	LM2NZF 5.08mm
Number of poles (field side)	90 P		

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	0.8 kVAC

Connection field

Type of connection	Tension-clamp connection	Clamping range, min.	0.13 mm ²
Clamping range, max.	2.5 mm ²	Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²	Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²	Flexible with sleeve, max.	1.5 mm ²
Flexible with sleeve, min.	0.25 mm ²	Sleeve with plastic collar, max.	1.5 mm ²
Min. wire cross-section, AWG	AWG 24	Max. wire cross-section, AWG	AWG 14
Stripping length	7.5 mm		

Classifications

ETIM 6.0	EC002780	ETIM 7.0	EC002780
eClass 9.0	27-14-11-52	eClass 9.1	27-14-11-52
eClass 10.0	27-14-11-52		

Data sheet**RS ELCO**
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Approvals



ROHS

Conform

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Brochure/Catalogue

[CAT 4.5 ELECTR 16/17 EN](#)

User Documentation

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Data sheet

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Drawings

