

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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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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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 |
| Operating temperature, min. | -25 °C | Operating temperature, max. | 50 °C |

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 | 0.8 kVAC |

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 | 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 |

Environmental Product Compliance

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

Data sheet**RS ELCO 90/90LM S**

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Technical data**Approvals**

Approvals



ROHS

Conform

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Approval/Certificate/Document of
Conformity

[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

Data sheet

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Drawings

