

**RS ELCOF 56/56LM S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, 56, LP2N 5.08mm |
| Order No.  | <a href="#">1480790000</a>                                  |
| Type       | RS ELCOF 56/56LM S                                          |
| GTIN (EAN) | 4050118289626                                               |
| Qty.       | 1 pc(s).                                                    |

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Depth      | 60 mm  | Depth (inches)  | 2.362 inch |
| Height     | 70 mm  | Height (inches) | 2.756 inch |
| Width      | 155 mm | Width (inches)  | 6.102 inch |
| Net weight | 299 g  |                 |            |

## Temperatures

|                     |             |                       |             |
|---------------------|-------------|-----------------------|-------------|
| Storage temperature | -40...60 °C | Operating temperature | -25...50 °C |
|---------------------|-------------|-----------------------|-------------|

## Connection Data

|                                 |                       |                                |                        |
|---------------------------------|-----------------------|--------------------------------|------------------------|
| Connection (field side)         | LP2N 5.08mm           | Connection on control side     | ELCO plug-in connector |
| Contact material (control side) | Phosphor bronze alloy | Earthing                       | No                     |
| Number of poles (control side)  | 56-pole female        | Polarity hardware codification | 1                      |

## Rating data

|                         |                     |                              |     |
|-------------------------|---------------------|------------------------------|-----|
| Rated voltage           | 150 V AC / 200 V DC | Rated current per connection | 5 A |
| Total operating current | 280 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 <sup>2</sup>        | Clamping range, min.         | 0.5 mm <sup>2</sup> |
| Flexible with sleeve, max.       | 2.5 mm <sup>2</sup>      | Flexible with sleeve, min.   | 0.5 mm <sup>2</sup> |
| Flexible, max. H05(07) V-K       | 4 mm <sup>2</sup>        | Flexible, min. H05(07) V-K   | 0.5 mm <sup>2</sup> |
| Max. wire cross-section, AWG     | AWG 26                   | Min. wire cross-section, AWG | AWG 12              |
| Sleeve with plastic collar, max. | 2.5 mm <sup>2</sup>      | Solid, max. H05(07) V-U      | 6 mm <sup>2</sup>   |
| Solid, min. H05(07) V-U          | 0.5 mm <sup>2</sup>      | Stripping length             | 6 mm                |
| Tightening torque, max.          | 0.6 Nm                   | Tightening torque, min.      | 0.5 Nm              |
| Type of connection               | Clamping yoke connection |                              |                     |

## 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 |             |             |

## 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 |

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Approvals



Approvals MAMID

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ROHS

Conform

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