

**RS ELCO 20/20RM Z****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, 20, LM2NZF 5.08mm |
| Order No.       | <a href="#">1126620000</a>                                    |
| Type            | RS ELCO 20/20RM Z   |
| GTIN (EAN)      | 4032248908318   |
| Qty.            | 1 pc(s).  |
| Available until | 2014-05-20  |

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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      | 60 mm | Width (inches)  | 2.362 inch |
| Net weight | 80 g  |                 |            |

## Temperatures

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

## Connection Data

|                                |               |                                 |                        |
|--------------------------------|---------------|---------------------------------|------------------------|
| Connection (field side)        | LM2NZF 5.08mm | Connection on control side      | ELCO plug-in connector |
| Connector alignment            | Right         | Contact material (control side) | Phosphor bronze alloy  |
| Number of poles (control side) | 20-pole plug  | Polarity hardware codification  | 1                      |

## Rating data

|                         |                     |                              |       |
|-------------------------|---------------------|------------------------------|-------|
| Rated voltage           | 150 V AC / 200 V DC | Rated current per connection | 1.5 A |
| Total operating current | 30 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.             | 2.5 mm <sup>2</sup>      | Clamping range, min.         | 0.13 mm <sup>2</sup> |
| Flexible with sleeve, max.       | 1.5 mm <sup>2</sup>      | Flexible with sleeve, min.   | 0.25 mm <sup>2</sup> |
| Flexible, max. H05(07) V-K       | 1.5 mm <sup>2</sup>      | Flexible, min. H05(07) V-K   | 0.2 mm <sup>2</sup>  |
| Max. wire cross-section, AWG     | AWG 14                   | Min. wire cross-section, AWG | AWG 24               |
| Sleeve with plastic collar, max. | 1.5 mm <sup>2</sup>      | Solid, max. H05(07) V-U      | 2.5 mm <sup>2</sup>  |
| Solid, min. H05(07) V-U          | 0.2 mm <sup>2</sup>      | Stripping length             | 7.5 mm               |
| Type of connection               | Tension-clamp 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-bd0aaee3697a |

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## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Approval/Certificate/Document of Con-  
formity

[K338\\_01\\_11.pdf](#)

User Documentation

[Table of connections](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

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## Drawings

