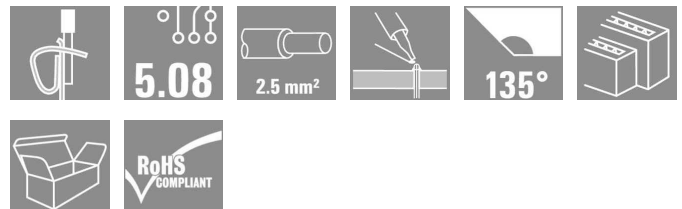


## OMNIMATE Signal - series LMZF LM2NZF 5.08/34/135 3.5SN OR BX

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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The high-performance device interface with a high connection density, for standard 2.5mm<sup>2</sup> cross-section wires.

Multi-tier PCB terminal in 5.08 mm pitch, with the maintenance-free tension clamp connection in 135° outlet direction.

Rated data:

- 15A / 630V (IEC) or 10A / 300V (UL)
- 0.20 - 2.5mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- Flammability class according to UL 94: V2

Application benefits:

- Simple change of connection method - layout is compatible with multi-tier screw terminals.

### General ordering data

|              |                                                                                                                                                                                           |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type         | LM2NZF 5.08/34/135 3.5SN OR BX                                                                                                                                                            |
| Order No.    | <a href="#">1782540000</a>                                                                                                                                                                |
| Version      | PCB terminal, 5.08 mm, No. of poles: 34, 135°, Solder pin length (l): 3.5 mm, tinned, Orange, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box |
| GTIN (EAN)   | 4032248177660                                                                                                                                                                             |
| Qty.         | 10 pc(s).                                                                                                                                                                                 |
| Product data | IEC: 630 V / 15 A / 0.2 - 2.5 mm <sup>2</sup><br>UL: 300 V / 10 A / AWG 24 - AWG 14                                                                                                       |
| Packaging    | Box                                                                                                                                                                                       |

Erstellungs-Datum January 14, 2014 7:17:49 PM CET

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## Technische Daten

### Dimensions and weights

|            |      |
|------------|------|
| Net weight | 49 g |
|------------|------|

### System characteristics

|                                              |                               |                                            |                          |
|----------------------------------------------|-------------------------------|--------------------------------------------|--------------------------|
| Product family                               | OMNIMATE Signal - series LMZF | Wire connection method                     | Tension clamp connection |
| Mounting onto the PCB                        | Solder connection             | Conductor outlet direction                 | 135°                     |
| Pitch in mm (P)                              | 5.08 mm                       | Pitch in inches (P)                        | 0.2 inch                 |
| No. of poles                                 | 34                            | Fitted by customer                         | No                       |
| Solder pin length (l)                        | 3.5 mm                        | Solder eyelet hole diameter (D)            | 1.3 mm                   |
| Solder eyelet hole diameter tolerance (D)    | + 0,1 mm                      | Number of solder pins per pole             | 1                        |
| Screwdriver blade                            | 0.6 x 3.5                     | Screwdriver blade standard                 | DIN 5264-A               |
| Stripping length                             | 7.5 mm                        | L1 in mm                                   | 81.28 mm                 |
| L1 in inches                                 | 3.2 inch                      | Touch-safe protection acc. to DIN VDE 0470 | IP 20                    |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch        |                                            |                          |

### Material data

|                           |        |                 |        |
|---------------------------|--------|-----------------|--------|
| Insulating material       | PA     | Colour          | Orange |
| UL 94 flammability rating | V-2    | CTI             | ≥ 600  |
| Contact material          | Cu-Leg | Contact surface | tinned |
| Contact base material     | Cu-Leg |                 |        |

### Connectable conductors

|                                                 |                      |                                                 |                     |
|-------------------------------------------------|----------------------|-------------------------------------------------|---------------------|
| Clamping range, rated connection, min.          | 0.13 mm <sup>2</sup> | Clamping range, rated connection, max.          | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.         | AWG 24               | Wire connection cross section AWG, max.         | AWG 14              |
| Solid, min. H05(07) V-U                         | 0.2 mm <sup>2</sup>  | Solid, max. H05(07) V-U                         | 2.5 mm <sup>2</sup> |
| Flexible, min. H05(07) V-K                      | 0.2 mm <sup>2</sup>  | Flexible, max. H05(07) V-K                      | 1.5 mm <sup>2</sup> |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.25 mm <sup>2</sup> | w. wire end ferrule, DIN 46228 pt 1, max.       | 1.5 mm <sup>2</sup> |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm <sup>2</sup> | w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm <sup>2</sup> |
| Plug gauge acc. to EN 60999 a x b; Ø            | 2.4 mm x 1.5 mm      |                                                 |                     |

### DIN IEC rating data

|                                                                      |       |                                                                          |       |
|----------------------------------------------------------------------|-------|--------------------------------------------------------------------------|-------|
| Rated current, min. no. of poles (Tu=20°C)                           | 15 A  | Rated current, max. no. of poles (Tu=20°C)                               | 12 A  |
| Rated current, number of poles (Tu=40°C), min                        | 13 A  | Rated current, number of poles (Tu=40°C), max.                           | 10 A  |
| Rated voltage for surge voltage class pollution degree II/2          | 630 V | Rated voltage for surge voltage class pollution degree III/2             | 320 V |
| Rated voltage for surge voltage class pollution degree III/3         | 250 V | Rated impulse voltage for surge voltage class pollution degree II/2      | 4 kV  |
| Rated impulse voltage for surge voltage class pollution degree III/2 | 4 kV  | Rated impulse voltage for surge voltage class contamination degree III/3 | 4 kV  |

### CSA rating data

|                               |        |                               |        |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (Use group B)   | 300 V  | Rated current (use group B)   | 10 A   |
| Rated voltage (use group D)   | 300 V  | Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, min. | AWG 24 | Wire cross-section, AWG, max. | AWG 14 |

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**Technische Daten**
**UL 1059 rating data**

|                               |        |                               |        |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (use group B)   | 300 V  | Rated current (use group B)   | 10 A   |
| Rated voltage (use group D)   | 300 V  | Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, min. | AWG 24 | Wire cross-section, AWG, max. | AWG 14 |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | UNSPSC     | 30-21-18-01 |
| eClass 6.2 | 27-26-11-01 | eClass 7.1 | 27-44-04-01 |

**Notes**

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes | <ul style="list-style-type: none"> <li>Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>Wire end ferrule without plastic collar to DIN 46228/1</li> <li>Wire end ferrule with plastic collar to DIN 46228/4</li> <li>P on drawing = pitch</li> <li>Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.</li> </ul> |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

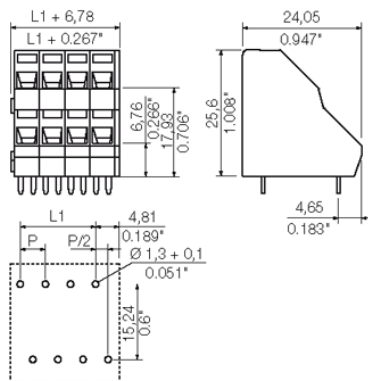
**Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

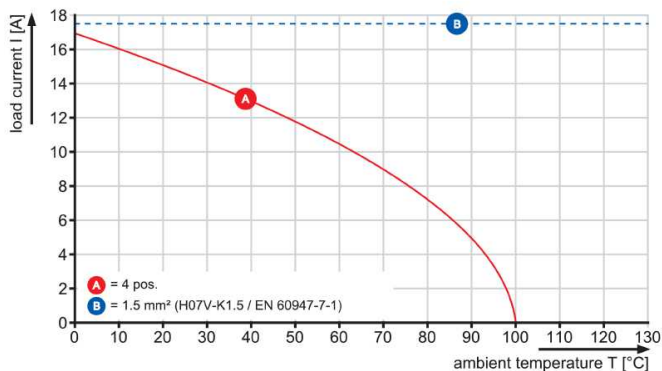
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## Zeichnungen



LM2NZF 5.08/.. /135



LM3RZF 5.08/.. /135

