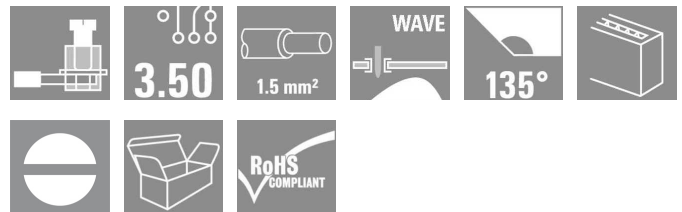


**OMNIMATE Signal - series LM**  
**LM 3.50/11/135 3.2SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



Small, compact PCB terminal with proven clamping yoke connection and 3.5 mm pitch. Conductor outlet direction 90° and 135°. Suitable for conductor cross-sections up to 1.5 mm².

- 0.20 - 1.50 mm² (IEC) / 28 - 14 AWG (UL)
- 320 V (IEC) / 300 V (UL)
- 16 A (IEC) / 10 A (UL)

**General ordering data**

|              |                                                                                                                                                                               |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type         | LM 3.50/11/135 3.2SN OR BX                                                                                                                                                    |
| Order No.    | <a href="#">1845290000</a>                                                                                                                                                    |
| Version      | PCB terminal, 3.50 mm, No. of poles: 11, 135°, Solder pin length (l): 3.2 mm, tinned, Orange, Clamping yoke connection, Clamping range, rated connection, max.: 2.08 mm², Box |
| GTIN (EAN)   | 4032248358007                                                                                                                                                                 |
| Qty.         | 50 pc(s).                                                                                                                                                                     |
| Product data | IEC: 320 V / 16 A / 0.5 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 14                                                                                                       |
| Packaging    | Box                                                                                                                                                                           |

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## Technical data

### Dimensions and weights

|            |        |
|------------|--------|
| Net weight | 7.16 g |
|------------|--------|

### System characteristics

|                                                   |                             |                                              |                          |
|---------------------------------------------------|-----------------------------|----------------------------------------------|--------------------------|
| Product family                                    | OMNIMATE Signal - series LM | Wire connection method                       | Clamping yoke connection |
| Mounting onto the PCB                             | Solder connection           | Conductor outlet direction                   | 135°                     |
| Pitch in mm (P)                                   | 3.5 mm                      | Pitch in inches (P)                          | 0.138 inch               |
| No. of poles                                      | 11                          | Fitted by customer                           | Yes                      |
| Max. adjacent poles per row                       | 24                          | Solder pin length (l)                        | 3.2 mm                   |
| Solder pin dimensions                             | 1.0 x 0.6 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                                 | 0.4 x 2.5                   | Screwdriver blade standard                   | DIN 5264                 |
| Tightening torque, min.                           | 0.2 Nm                      | Tightening torque, max.                      | 0.25 Nm                  |
| Clamping screw                                    | M 2                         | Stripping length                             | 5 mm                     |
| L1 in mm                                          | 35 mm                       | L1 in inches                                 | 1.378 inch               |
| Touch-safe protection acc. to DIN VDE 0470        | IP 20                       | Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch   |
| Volume resistance                                 | 3.60 mΩ                     |                                              |                          |

### Material data

|                                       |        |                                       |                      |
|---------------------------------------|--------|---------------------------------------|----------------------|
| Moisture Level (MSL)                  | 3      | Insulating material                   | PA                   |
| Colour                                | Orange | UL 94 flammability rating             | V-2                  |
| CTI                                   | ≥ 600  | Coating                               | 1-3 µm Ni, 4-6 µm SN |
| Contact material                      | Cu-Leg | Contact surface                       | tinned               |
| Operating temperature, min.           | -50 °C | Operating temperature, max.           | 100 °C               |
| Temperature range, installation, min. | -25 °C | Temperature range, installation, max. | 100 °C               |

### Connectable conductors

|                                                 |                      |                                                 |                      |
|-------------------------------------------------|----------------------|-------------------------------------------------|----------------------|
| Clamping range, rated connection, min.          | 0.08 mm <sup>2</sup> | Clamping range, rated connection, max.          | 2.08 mm <sup>2</sup> |
| Wire connection cross section AWG, min.         | AWG 28               | Wire connection cross section AWG, max.         | AWG 14               |
| Solid, min. H05(07) V-U                         | 0.5 mm <sup>2</sup>  | Solid, max. H05(07) V-U                         | 1.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                      | 0.5 mm <sup>2</sup>  | Flexible, max. H05(07) V-K                      | 1.5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.5 mm <sup>2</sup>  | w. plastic collar ferrule, DIN 46228 pt 4, max. | 0.75 mm <sup>2</sup> |
| Plug gauge acc. to EN 60999 a x b; Ø            | 2.4 mm x 1.5 mm      |                                                 |                      |

### CSA rating data

|                               |                                                                                     |                               |                |
|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------|----------------|
| Institute (CSA)               |  | Certificate No. (CSA)         | 154685-1202192 |
| 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 28                                                                              | Wire cross-section, AWG, max. | AWG 14         |

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## Technical data

### UL 1059 rating data

Institute (UR)



Certificate No. (UR)

E60693

|                               |        |
|-------------------------------|--------|
| Rated voltage (use group B)   | 300 V  |
| Rated voltage (use group D)   | 300 V  |
| Wire cross-section, AWG, min. | AWG 28 |

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

### Rating data acc. to IEC 60664-1 / IEC 61984

|                                                                       |                  |
|-----------------------------------------------------------------------|------------------|
| Rated current, min. no. of poles (Tu=20°C)                            | 16 A             |
| Rated current, number of poles (Tu=40°C), min                         | 14 A             |
| Rated voltage for surge voltage class / pollution degree II/2         | 320 V            |
| Rated voltage for surge voltage class / pollution degree III/3        | 160 V            |
| Rated impulse voltage for surge voltage class/ pollution degree III/2 | 2.5 kV           |
| Short-time withstand current resistance                               | 3 x 1s with 72 A |

|                                                                           |        |
|---------------------------------------------------------------------------|--------|
| Rated current, max. no. of poles (Tu=20°C)                                | 12 A   |
| Rated current, number of poles (Tu=40°C), max.                            | 10 A   |
| Rated voltage for surge voltage class / pollution degree III/2            | 160 V  |
| Rated impulse voltage for surge voltage class/ pollution degree II/2      | 2.5 kV |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 2.5 kV |

### Classifications

|            |             |
|------------|-------------|
| ETIM 3.0   | EC001284    |
| ETIM 5.0   | EC002643    |
| UNSPSC     | 30-21-18-01 |
| eClass 7.1 | 27-44-04-01 |

|            |             |
|------------|-------------|
| ETIM 4.0   | EC002643    |
| ETIM 6.0   | EC002643    |
| eClass 6.2 | 27-26-11-01 |

### Notes

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- 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.

IPC conformity

The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

### Approvals

Approvals



ROHS

Conform

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## Technical data

### Downloads

CAD Library (P-CAD Format - ASCII) [LM.zip](#)

CAD Library (P-CAD Format - Standard) [LM.zip](#)

[3-D model](#)

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# Drawings

