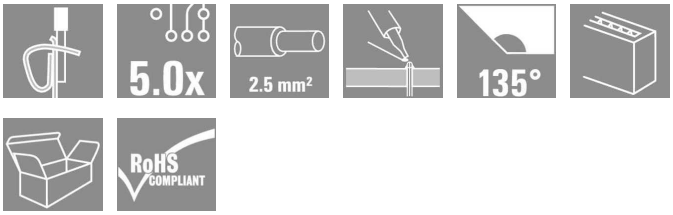
# OMNIMATE Signal - series LMZF
# LMZF 5/12/135 3.5OR

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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The compact installation terminal for the standard wire cross-section size of 2.5mm².
Tension clamp connection with a 135° outlet direction, in variable pitch: 5.00 - 5.08 mm (1 part with 2 pitches).

Rated data:

- 24A at 40°C / 630V (IEC) or 15A / 300V (UL)
- 0.13 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- Flammability class according to UL 94: V0

Application benefits:

- Safe: ATEX certification Ex II 2GD / Ex e II (KEMA07 ATAEX0047U) optional
- Temperature resistant: long-term resistance up to 120°C provided by high-performance Wemid insulation material
- Adaptable: simple pitch adaptation from 5.00 to 5.08 mm (0.200 inch)
- Convenient: optional lever for simple opening of terminal point

## General ordering data

| | |
|---|---|
| Type | LMZF 5/12/135 3.5OR |
| Order No. | 1914090000 |
| Version | PCB terminal, 5.00 mm, No. of poles: 12, 135°, Solder pin length (l): 3.5 mm, tinned, Orange, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm², Box |
| GTIN (EAN) | 4032248544653 |
| Qty. | 100 pc(s). |
| Product data | IEC: 630 V / 24 A / 0.13 - 2.5 mm²<br>UL: 300 V / 15 A / AWG 26 - AWG 14 |
| Packaging | Box |

Erstellungs-Datum January 27, 2014 9:41:19 AM CET

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## Technische Daten

### Dimensions and weights

| | |
|---|---|
| Net weight | 13.17 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 mm | Pitch in inches (P) | 0.197 inch |
| No. of poles | 12 | Fitted by customer | No |
| Max. adjacent poles per row | 48 | 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 | 2 | Screwdriver blade | 0.4 x 2.5 |
| Screwdriver blade standard | DIN 5264-A | Stripping length | 6 mm |
| L1 in mm | 55 mm | L1 in inches | 2.165 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 | Wemid (PA) | Colour | Orange |
| UL 94 flammability rating | V-0 | CTI | ≥ 600 |
| Contact material | E-Cu | Contact surface | tinned |
| Contact base material | E-Cu | | |

### Connectable conductors

| | | | |
|---|---|---|---|
| Clamping range, rated connection, min. | 0.13 mm² | Clamping range, rated connection, max. | 2.5 mm² |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section AWG, max. | AWG 14 |
| Solid, min. H05(07) V-U | 0.13 mm² | Solid, max. H05(07) V-U | 2.5 mm² |
| Flexible, min. H05(07) V-K | 0.13 mm² | Flexible, max. H05(07) V-K | 2.5 mm² |
| w. wire end ferrule, DIN 46228 pt 1, min | 0.25 mm² | w. wire end ferrule, DIN 46228 pt 1, max. | 1.5 mm² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm² | w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm² |

### DIN IEC rating data

| | | | |
|---|---|---|---|
| Rated current, min. no. of poles (TU=20°C) | 24 A | Rated current, max. no. of poles (Tu=20°C) | 24 A |
| Rated current, number of poles (Tu=40°C), min | 24 A | Rated current, number of poles (Tu=40°C), max. | 24 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 classpollution degree II/2 | 4 kV |
| Rated impulse voltage for surge voltage classpollution degree III/2 | 4 kV | Rated impulse voltage for surge voltage classcontamination degree III/3 | 4 kV |

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## Technische Daten

### CSA rating data

| | | | |
|---|---|---|---|
| Institute (CSA) | | Rated voltage (Use group B) | 300 V |
| Rated current (use group B) | 20 A | Rated voltage (use group D) | 300 V |
| Rated current (use group D) | 10 A | Wire cross-section, AWG, min. | AWG 26 |
| Wire cross-section, AWG, max. | AWG 14 | | |

### UL 1059 rating data

| | | | |
|---|---|---|---|
| Rated voltage (use group B) | 300 V | Rated current (use group B) | 15 A |
| Rated voltage (use group D) | 300 V | Rated current (use group D) | 10 A |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 14 |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 3.0 | EC001284 | UNSPSC | 30-21-18-11 |
| eClass 5.1 | 27-26-11-01 | eClass 6.2 | 27-26-11-01 |
| eClass 7.1 | 27-44-04-01 | | |

### Notes

Notes

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- 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.

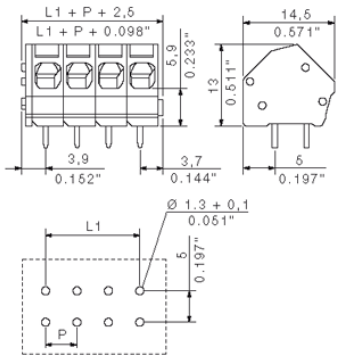
### Approvals

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

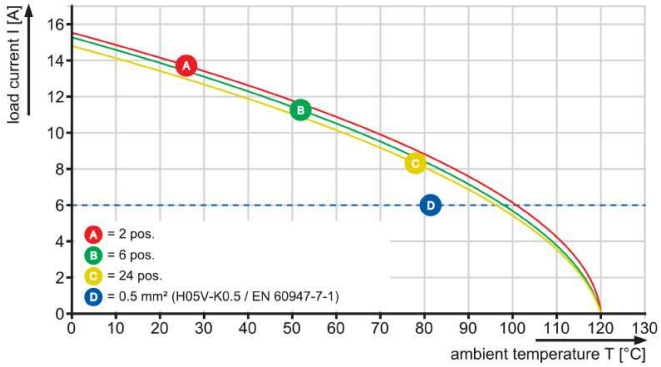
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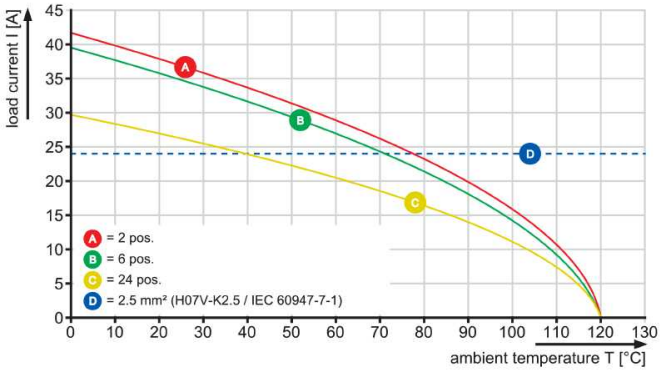
## Zeichnungen




LMZFL 5/../135




LMZFL 5/../135




LMZF 5/../135

