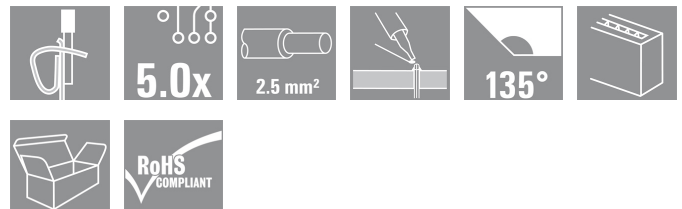


## LMZF LMZFL 5/2/135 3.5SW

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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Germany  
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The compact installation terminal for the standard wire cross-section size of 2.5mm<sup>2</sup>.  
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 mm<sup>2</sup> (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

|              |   |
|--------------|---|
| Order No.    | <a href="#">1811510000</a>  |
| Type         | LMZFL 5/2/135 3.5SW   |
| Version      | PCB terminal, 5.00 mm, No. of poles: 2, 135°, Solder pin length (l): 3.5 mm, tinned, Black, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box |
| GTIN (EAN)   | 4032248290611   |
| Qty.         | 100 pc(s).  |
| Product data | IEC: 630 V / 24 A / 0.13 - 2.5 mm <sup>2</sup><br>UL: 300 V / 15 A / AWG 26 - AWG 14  |
| Packaging    | Box   |

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**Technical data****Dimensions and weights**

|            |        |
|------------|--------|
| Net weight | 2.82 g |
|------------|--------|

**System characteristics**

|  |                   |  |                          |
|--|-------------------|--|--------------------------|
| Product family                             | LMZF              | Conductor connection system                  | Tension clamp connection |
| Mounting onto the PCB                      | Solder connection | Outgoing direction of conductor              | 135°                     |
| Pitch in mm (P)                            | 5 mm              | Pitch in inches (P)                          | 0.197 inch               |
| No. of poles                               | 2                 | Fitted by customer                           | No                       |
| Max. adjacent poles per row                | 48                | Number of rows                               | 1                        |
| 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         | Stripping length                             | 6 mm                     |
| L1 in mm                                   | 5 mm              | L1 in inches                                 | 0.197 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          | Black  |
| 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 mm <sup>2</sup> | Clamping range, rated connection, max.          | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.         | AWG 26               | Wire connection cross section AWG, max.         | AWG 14              |
| Solid, min. H05(07) V-U                         | 0.13 mm <sup>2</sup> | Solid, max. H05(07) V-U                         | 2.5 mm <sup>2</sup> |
| Flexible, min. H05(07) V-K                      | 0.13 mm <sup>2</sup> | Flexible, max. H05(07) V-K                      | 2.5 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> |

**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 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  |

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**Technical data**

**CSA rating data**

Institute (CSA)



Rated voltage (Use group B)

300 V

|                               |        |
|-------------------------------|--------|
| Rated current (use group B)   | 20 A   |
| Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, max. | AWG 14 |

|                               |        |
|-------------------------------|--------|
| Rated voltage (use group D)   | 300 V  |
| Wire cross-section, AWG, min. | AWG 26 |

**UL 1059 rating data**

|                               |        |
|-------------------------------|--------|
| Rated voltage (use group B)   | 300 V  |
| Rated voltage (use group D)   | 300 V  |
| Wire cross-section, AWG, min. | AWG 26 |

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

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | UNSPSC     | 30-21-18-01 |
| eClass 6.0 | 27-26-11-01 | eClass 7.0 | 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**

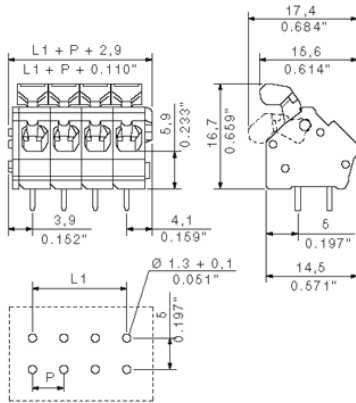
Approvals



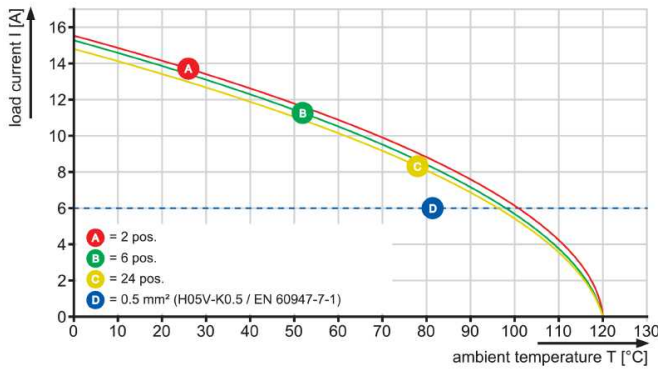
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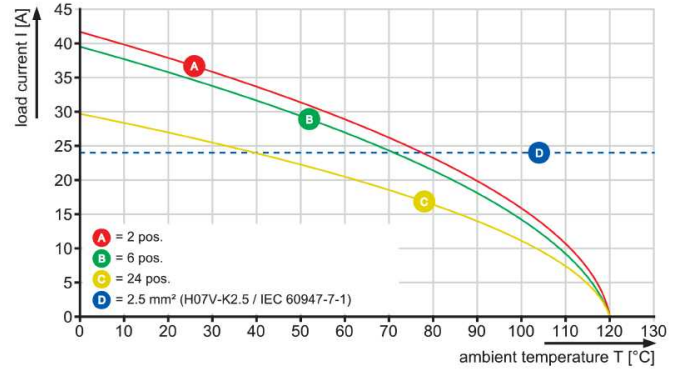
**Drawings**



LMZFL 5/./135



LMZFL 5/./135



LMZF 5/./135

