

#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

### **Product image**





















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: 10.00 - 10.16 mm (1 part with 2 pitches). Rated data:

- 24A at 40°C / 1000V (IEC) or 15A / 300V (UL)
- 0.13 2.5 mm<sup>2</sup> (IEC) / 26 14 AWG (UL)
- Flammability class according to UL 94: VO 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 10.00 to 10.16 mm (0.400 inch)
- Convenient: optional lever for simple opening of terminal point

#### **General ordering data**

| Version      | Printed circuit board terminals, 10.00 mm, Num-<br>ber of poles: 6, 135°, Solder pin length (I): 3.5 mm<br>tinned, black, Tension clamp connection with actu<br>ator, Clamping range, max. : 2.5 mm², Box |
|--------------|---|
| Order No.    | <u>1953620000</u>   |
| Туре         | LMZFL 10/6/135 3.5SW  |
| GTIN (EAN)   | 4032248662951   |
| Qty.         | 100 items   |
| Product data | IEC: 1000 V / 24 A / 0.13 - 2.5 mm <sup>2</sup><br>UL: 300 V / 15 A / AWG 26 - AWG 14   |
| Packaging    | Вох   |



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# Technical data

| Approvals | Αp | pro | ovals |
|-----------|----|-----|-------|
|-----------|----|-----|-------|

| Approvals               | c <b>FL</b> *us   |
|-------------------------|-------------------|
| ROHS                    | Conform           |
| UL File Number Search   | <u>UL Website</u> |
| Certificate No. (cURus) | E60693            |

### **Dimensions and weights**

| Depth                    | 15.6 mm     | Depth (inches)  | 0.6142 inch |
|--------------------------|-------------|-----------------|-------------|
| Height                   | 20.24 mm    | Height (inches) | 0.7968 inch |
| Height of lowest version | 16.74 mm    | Width           | 62.9 mm     |
| Width (inches)           | 2.4764 inch | Net weight      | 11.99 g     |

### **Environmental Product Compliance**

| RoHS Compliance Status | Compliant without exemption |  |
|------------------------|-----------------------------|--|
| REACH SVHC             | No SVHC above 0.1 wt%       |  |

#### **System parameters**

| Product family                              | OMNIMATE Signal - series<br>LMZF | Wire connection method                     | Tension clamp connection with actuator |
|---|----------------------------------|--|--|
| Mounting onto the PCB                       | THT solder connection            | Conductor outlet direction                 | 135°                                   |
| Pitch in mm (P)                             | 10.00 mm                         | Pitch in inches (P)                        | 0.394 "                                |
| Number of poles                             | 6                                | Pin series quantity                        | 1                                      |
| Fitted by customer                          | No                               | Number of rows                             | 1                                      |
| Max. adjacent poles per row                 | 12                               | Solder pin length (I)                      | 3.5 mm                                 |
| Solder pin dimensions                       | 0.8 x 0.8 mm                     | Solder eyelet hole diameter (D)            | 1.3 mm                                 |
| Solder eyelet hole diameter tolerance       | e (D)+ 0,1 mm                    | Number of solder pins per pole             | 2                                      |
| Screwdriver blade                           | 0.6 x 3.5                        | Screwdriver blade standard                 | DIN 5264-A                             |
| Stripping length                            | 6 mm                             | L1 in mm                                   | 50.00 mm                               |
| L1 in inches                                | 1.969 "                          | Touch-safe protection acc. to DIN VDE 0470 | IP 20                                  |
| Touch-safe protection acc. to DIN VD 57 106 | DE Safe from finger touch        | Protection degree                          | IP20                                   |

### **Material data**

| Wemid (PA) | Colour                                       | black   |
|------------|--|---|
| RAL 9011   | Insulating material group                    | I   |
| ≥ 600      | Moisture Level (MSL)                         |   |
| V-0        | Contact material                             | Copper alloy  |
| tinned     | Coating                                      | 4-10 μm SN  |
| matt       | Layer structure of solder connection         | 58 µm Sn matt   |
| -40 °C     | Storage temperature, max.                    | 70 °C   |
| -50 °C     | Operating temperature, max.                  | 120 °C  |
| -25 °C     | Temperature range, installation, max.        | 120 °C  |
|            | RAL 9011 ≥ 600 V-0 tinned matt -40 °C -50 °C | RAL 9011  ≥ 600  Moisture Level (MSL)  V-0  Contact material  tinned  Coating  matt  Layer structure of solder connection  -40 °C  Storage temperature, max.  Operating temperature, max. |

### **Conductors suitable for connection**

| Clamping range, min.               | 0.13 mm <sup>2</sup> |
|------------------------------------|----------------------|
| Clamping range, max.               | 2.5 mm <sup>2</sup>  |
| Wire connection cross section AWG, | AWG 26               |
| min                                |                      |

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## **Technical data**

| Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Type fine-wired nominal 0.75 mm²  Wire end ferrule  Stripping length Recommended wire- end ferrule  Cross-section for conductor connection Type fine-wired nominal 1 mm²  Stripping length Recommended wire- end ferrule  Stripping length Nominal 0.25 mm²  Stripping length Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Stripping length Nominal 0.25 mm²  Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Type fine-wired Nominal S mm Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule   |                            |  |                               |
|--|----------------------------|--|-------------------------------|
| Solid, max. HOS(07) V-U   2.5 mm²  |                            | AWG 14                                 |                               |
| Flexible, mix. H05(07) V-K  Plexible, max. H05(07) V-K  v. plastic collar ferrule, DIN 46228 pt 4, 0.25 mm² min.  v. plastic collar ferrule, DIN 46228 pt 1, 0.25 mm² max.  Clampable conductor  Cross-section for conductor connection  Type fine-wired nominal 0.5 mm² Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.5 mm² Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.075 mm² Recommended wire-end ferrule  Stripping length nominal 8 mm² Recommended wire-end ferrule  Stripping length nominal 8 mm² Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 8 mm² Recommended wire-end ferrule  Stripping length nominal 8 mm² Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 1 mm² nominal 8 mm² Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 1 mm²  | Solid, min. H05(07) V-U    | 0.13 mm <sup>2</sup>                   |                               |
| Flexible, max. HOS(07) V-K   | Solid, max. H05(07) V-U    | 2.5 mm <sup>2</sup>                    |                               |
| w, plastic collar ferrule, DIN 46228 pt 4, 1.5 mm² max.  w, piratic collar ferrule, DIN 46228 pt 1, 0.25 mm² min.  w, wire end ferrule, DIN 46228 pt 1, 0.25 mm² min.  clampable conductor  Cross-section for conductor connection  wire end ferrule  Cross-section for conductor connection  Type  fine-wired nominal  nominal  nominal  nominal  nominal  1 mm²  Stripping length  Recommended wire- end ferrule  Cross-section for conductor connection  Wire end ferrule  Stripping length  Recommended wire- end ferrule  Stripping length  nominal  0.25 mm²  Stripping length  nominal  0.34 mm²  Stripping length  nominal  0.34 mm²  Nominal  0.34 mm²  Nominal  No | Flexible, min. H05(07) V-K | 0.13 mm <sup>2</sup>                   |                               |
| min. w. plastic collar ferrule, DIN 46228 pt 4, 1.5 mm² max. w. wire end ferrule, DIN 46228 pt 1, min. w. wire end ferrule, DIN 46228 pt 1, max. Clampable conductor  Cross-section for conductor connection wire end ferrule  Cross-section for conductor connection  Type fine-wired nominal  Stripping length nominal 6 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal  0.75 mm² Stripping length nominal 6 mm Recommended wire- end ferrule  Stripping length nominal 0.75 mm² Stripping length nominal 0.75 mm²  Wire end ferrule  Cross-section for conductor connection  Type fine-wired nominal  Timp² Recommended wire- end ferrule  Stripping length nominal 6 mm Recommended wire- end ferrule  Stripping length nominal 1 mm² Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 1 mm² Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 0.25 mm²  Wire end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.25 mm²  Recommended wire- end ferrule  Stripping length nominal 0.25 mm²  Recommended wire- end ferrule  Stripping length nominal 0.25 mm²  Stripping length nominal 0.25 mm²  Recommended wire- end ferrule  Stripping length nominal 0.34 mm²  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Type fine-wired nominal 0.25 mm²  Stripping length nominal 8 mm Recommended wire- end ferrule  Recommended wire- end ferrule  Type fine-wired nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommende | Flexible, max. H05(07) V-K | 2.5 mm <sup>2</sup>                    |                               |
| max. w. wire end ferrule, DIN 46228 pt 1, min.         0.25 mm² min.           w. wire end ferrule, DIN 46228 pt 1, min.         1.5 mm² min.           Clampable conductor         Cross-section for conductor connection wire end ferrule         Type fine-wired nominal nom  |                            | 4, 0.25 mm²                            |                               |
| min.  w. wire end ferrule, DIN 46228 pt 1, max.  Clampable conductor  Cross-section for conductor connection  wire end ferrule  Stripping length   nominal   0.5 mm²    Stripping length   nominal   6 mm    Recommended wire- end ferrule  Type   fine-wired   nominal   0.75 mm²    Stripping length   nominal   6 mm    Recommended wire- end ferrule  Type   fine-wired   nominal   0.75 mm²    Wire end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   6 mm    Recommended wire- end ferrule  Stripping length   nominal   6 mm    Recommended wire- end ferrule  Type   fine-wired   nominal   1 mm²    Wire end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Type   fine-wired    Nominal   0.25 mm²    Wire end ferrule  Cross-section for conductor connection   Type   fine-wired    Nominal   0.25 mm²    Wire end ferrule  Cross-section for conductor connection   Type   fine-wired    Nominal   0.25 mm²    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule  Stripping length   nominal   8 mm    Recommended wire- end ferrule   10.25/5    Reference text   Length of ferrules is to be chosen depending on the product and the rated voltage, The outs  |                            | 4, 1.5 mm²                             |                               |
| Type fine-wired nominal 0.5 mm² stripping length   nominal 6 mm   H0.5/12 Wire end ferrule   Stripping length   nominal 6 mm   H0.5/12 Wire end ferrule   Stripping length   nominal 8 mm   H0.5/12 Wire end ferrule   Stripping length   nominal 6 mm   H0.5/12 Wire end ferrule   Stripping length   nominal 8 mm   H0.5/12 Wire end ferrule   Stripping length   nominal 8 mm   H0.5/12 Wire end ferrule   Stripping length   nominal 8 mm   H0.75/12 Wire end ferrule   Stripping length   nominal 8 mm   H0.75/12 Wire end ferrule   Stripping length   nominal 6 mm   H0.75/12 Wire end ferrule   Stripping length   nominal 6 mm   H0.75/12 Wire end ferrule   Stripping length   nominal 8 mm   H0.75/12 Wire end ferrule   Stripping length   nominal 8 mm   H0.75/12 Wire end ferrule   Stripping length   nominal 8 mm   H1.0/12 GE   H1.0/12 | •                          | 0.25 mm <sup>2</sup>                   |                               |
| Nominal   0.5 mm²   Stripping length   nominal   8 mm   Recommended wirelend ferrule   Stripping length   nominal   6 mm   Recommended wirelend ferrule   Type   fine-wired   nominal   0.75 mm²   Stripping length   nominal   8 mm   Recommended wirelend ferrule   Stripping length   nominal   8 mm   Recommended wirelend ferrule   Recommended wirelend ferrule   Stripping length   nominal   6 mm   Recommended wirelend ferrule   Recommended wirelend ferrule   Type   fine-wired   nominal   1 mm²   Stripping length   nominal   8 mm   Recommended wirelend ferrule   Recommended wirelend ferrule   Stripping length   nominal   8 mm   Recommended wirelend ferrule   Stripping length   nominal   6 mm   Recommended wirelend ferrule   Stripping length   nominal   6 mm   Recommended wirelend ferrule   Stripping length   nominal   6 mm   Recommended wirelend ferrule   Stripping length   nominal   8 mm   Recommended wirelend ferrule   Stripping length   nominal   5 mm   Recommended wirelend ferrule   Recom   | •                          | 1.5 mm <sup>2</sup>                    |                               |
| wire end ferrule  Stripping length   nominal 8 mm   Recommended wire-end ferrule   Stripping length   nominal 6 mm   Recommended wire-end ferrule   Stripping length   nominal 6 mm   Recommended wire-end ferrule   Stripping length   nominal 0.75 mm²   Nominal 0 mm   Recommended wire-end ferrule   Stripping length   nominal 0 mm   | Clampable conductor        | Cross-section for conductor connection | Type fine-wired               |
| Recommended wire- end ferrule  Stripping length Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.75 mm²  Wire end ferrule  Stripping length Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 1 mm²  Wire end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.25 mm²  Wire end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 0.25 mm²  Wire end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Recommended wire- end ferrule  Stripping length Nominal 8 mm Recommended wire- end ferrule  Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Recommended wire- end ferrule Reference text  |                            |  | nominal 0.5 mm <sup>2</sup>   |
| end ferrule  Stripping length nominal 6 mm Recommended wire- end ferrule  Type fine-wired nominal 0.75 mm²  wire end ferrule  Stripping length nominal 0.75 mm²  Stripping length nominal 0.75 mm²  Recommended wire- end ferrule  Stripping length nominal 6 mm Recommended wire- end ferrule  Cross-section for conductor connection Type fine-wired nominal 1 mm²  wire end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 6 mm Recommended wire- end ferrule  Stripping length nominal 6 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 5 mm² Recommended wire- end ferrule  Stripping length nominal 5 mm² Recommended wire- end ferrule  Stripping length nominal 5 mm² Recommended wire- end ferrule  Stripping length nominal 5 mm² Recommended wire- end ferrule  Stripping length nominal 5 mm² Recommended wire- end ferrule   |                            | wire end ferrule                       | Stripping length nominal 8 mm |
| Recommended wire-end ferrule   Type   fine-wired   nominal   0.75 mm²  |                            |  |                               |
| end ferrule   Type   |                            |  | Stripping length nominal 6 mm |
| wire end ferrule   |                            |  |                               |
| Wire end ferrule   Stripping length   Recommended wire-end ferrule   Stripping length   nominal   8 mm   Recommended wire-end ferrule   Stripping length   nominal   6 mm   Recommended wire-end ferrule   |                            | Cross-section for conductor connection | Type fine-wired               |
| Recommended wire- end ferrule  Stripping length   nominal   6 mm Recommended wire- end ferrule  Type   fine-wired   nominal   1 mm²  Wire end ferrule  Stripping length   nominal   8 mm Recommended wire- end ferrule  Stripping length   nominal   6 mm Recommended wire- end ferrule  Stripping length   nominal   6 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type   fine-wired   nominal   0.25 mm²  Wire end ferrule  Stripping length   nominal   8 mm Recommended wire- end ferrule  Stripping length   nominal   8 mm Recommended wire- end ferrule  Stripping length   nominal   5 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type   fine-wired   nominal   0.34 mm²  Wire end ferrule  Stripping length   nominal   0.34 mm²  Wire end ferrule  Recommended wire- end ferrule  Recommended wire- end ferrule   |                            |  | nominal 0.75 mm <sup>2</sup>  |
| end ferrule   Stripping length   nominal   6 mm   Recommended wire-end ferrule   Type   fine-wired   nominal   1 mm²     Stripping length   nominal   8 mm   Recommended wire-end ferrule   Stripping length   nominal   8 mm   Recommended wire-end ferrule   Stripping length   nominal   6 mm   Recommended wire-end ferrule   Stripping length   nominal   6 mm   Recommended wire-end ferrule   Stripping length   nominal   6 mm   Recommended wire-end ferrule   Stripping length   nominal   0.25 mm²   Stripping length   nominal   8 mm   Recommended wire-end ferrule   Stripping length   nominal   8 mm   Recommended wire-end ferrule   Stripping length   nominal   5 mm   Recommended wire-end ferrule   Stripping length   nominal   8 mm   Recommended wire-end ferrule   Reference text   Length of ferrules is to be chosen depending on the product and the rated voltage. The outs   |                            | wire end ferrule                       | Stripping length nominal 8 mm |
| Cross-section for conductor connection   |                            |  |                               |
| End ferrule   Type   fine-wired   nominal   1 mm²  |                            |  | Stripping length nominal 6 mm |
| Nominal   1 mm²  |                            |  |                               |
| Nominal  |                            | Cross-section for conductor connection | Type fine-wired               |
| Recommended wire- end ferrule  Stripping length   nominal   6 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type   fine-wired   nominal   0.25 mm²    Wire end ferrule  Stripping length   nominal   8 mm Recommended wire- end ferrule  Stripping length   nominal   5 mm Recommended wire- end ferrule  Cross-section for conductor connection   Type   fine-wired   Recommended wire- end ferrule  Cross-section for conductor connection   Type   fine-wired   nominal   0.34 mm²    Wire end ferrule  Stripping length   nominal   8 mm Recommended wire- end ferrule   |                            |  | 7.                            |
| end ferrule  Stripping length   nominal   6 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type   fine-wired   nominal   0.25 mm²    Wire end ferrule  Stripping length   nominal   8 mm  Recommended wire- end ferrule  Stripping length   nominal   5 mm  Recommended wire- end ferrule  Cross-section for conductor connection  Type   fine-wired   nominal   0.34 mm²    Wire end ferrule  Stripping length   nominal   8 mm  Recommended wire- end ferrule  Stripping length   nominal   8 mm  Recommended wire- end ferrule  Stripping length   nominal   8 mm  Recommended wire- end ferrule  Reference text  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs  |                            | wire end ferrule                       | Stripping length nominal 8 mm |
| Cross-section for conductor connection  Type fine-wired nominal 0.25 mm²  Wire end ferrule  Stripping length nominal 8 mm Recommended wire-end ferrule  Stripping length nominal 5 mm Recommended wire-end ferrule  Stripping length nominal 5 mm Recommended wire-end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.34 mm²  Wire end ferrule  Stripping length nominal 8 mm²  Recommended wire-end ferrule  Stripping length nominal 8 mm²  Recommended wire-end ferrule  Stripping length nominal 8 mm²  Recommended wire-end ferrule  Reference text  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs   |                            |  |                               |
| Cross-section for conductor connection   Type   fine-wired   nominal   0.25 mm²  |                            |  | Stripping length nominal 6 mm |
| wire end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 5 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.34 mm²  wire end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs  |                            |  |                               |
| wire end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Stripping length nominal 5 mm Recommended wire- end ferrule  Stripping length nominal 5 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.34 mm²  wire end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Reference text  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs   |                            | Cross-section for conductor connection | Type fine-wired               |
| Recommended wire- end ferrule  Stripping length nominal 5 mm Recommended wire- end ferrule  Stripping length nominal 5 mm Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.34 mm²  wire end ferrule  Stripping length nominal 8 mm Recommended wire- end ferrule  Reference text  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs   |                            |  | nominal 0.25 mm <sup>2</sup>  |
| $\frac{\text{end ferrule}}{\text{Stripping length}} = \frac{\text{nominal}}{\text{Recommended wire-}} \frac{\text{fine-wired}}{\text{end ferrule}}$ $\frac{\text{Cross-section for conductor connection}}{\text{Cross-section for conductor connection}} = \frac{\text{Type}}{\text{nominal}} = \frac{\text{fine-wired}}{\text{nominal}} = \frac{\text{0.34 mm}^2}{\text{Nominal}}$ $\frac{\text{Stripping length}}{\text{Recommended wire-}} = \frac{\text{nominal}}{\text{Recommended wire-}} = \frac{\text{8 mm}}{\text{Ho.34/10 TK}}$ $\frac{\text{Reference text}}{\text{Reference text}} = \frac{\text{Length of ferrules is to be chosen depending on the product and the rated voltage., The outs}}{\text{Reference text}}$  |                            | wire end ferrule                       | Stripping length nominal 8 mm |
| Recommended wire- end ferrule  Cross-section for conductor connection  Type fine-wired nominal 0.34 mm²  wire end ferrule  Stripping length nominal 8 mm  Recommended wire- end ferrule  Reference text  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs  |                            |  |                               |
| Cross-section for conductor connection   Type   fine-wired   |                            |  | Stripping length nominal 5 mm |
| wire end ferrule    Stripping length   nominal   8 mm  |                            |  |                               |
| wire end ferrule  Stripping length nominal 8 mm  Recommended wire- H0,34/10 TK end ferrule  Reference text  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs   |                            | Cross-section for conductor connection | Type fine-wired               |
| Reference text  Recommended wire- H0,34/10 TK end ferrule  Length of ferrules is to be chosen depending on the product and the rated voltage., The outs  |                            |  |                               |
| Reference text Length of ferrules is to be chosen depending on the product and the rated voltage., The outs  |                            | wire end ferrule                       | Stripping length nominal 8 mm |
|  |                            |  |                               |
| diamotor of the plactic collar billouid flot be laider than the biter it i   | Reference text             |  |                               |

### Rated data acc. to IEC

| tested acc. to standard                       | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C) | 24 A |
|---|------------------------|---|------|
| Rated current, max. number of poles (Tu=20°C) | 24 A                   | Rated current, min. number of poles (Tu=40°C) | 24 A |

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Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

## **Technical data**

| Rated current, max. number of poles 24 A (Tu=40°C)                             | Rated voltage for surge voltage class / 1000 V pollution degree II/2       |
|--|--|
| Rated voltage for surge voltage class / 1000 V pollution degree III/2          | Rated voltage for surge voltage class / 500 V pollution degree III/3       |
| Rated impulse voltage for surge voltage 8 kV class/ pollution degree II/2      | Rated impulse voltage for surge voltage 8 kV class/ pollution degree III/2 |
| Rated impulse voltage for surge voltage 8 kV class/ contamination degree III/3 |  |

### Rated data acc. to CSA

| Rated voltage (Use group B / CSA) | 300 V  | Rated voltage (Use group C / CSA) | 150 V  |
|-----------------------------------|--------|-----------------------------------|--------|
| Rated voltage (Use group D / CSA) | 300 V  | Rated current (Use group B / CSA) | 15 A   |
| Rated current (Use group C / CSA) | 15 A   | Rated current (Use group D / CSA) | 10 A   |
| Wire cross-section, AWG, min.     | AWG 26 | Wire cross-section, AWG, max.     | AWG 14 |

### Rated data acc. to UL 1059

| Institute (cURus)                     | CURUS  | Certificate No. (cURus)               | E60693 |
|---------------------------------------|--|---------------------------------------|--------|
| Rated voltage (Use group B / UL 1059) | 300 V  | Rated voltage (Use group C / UL 1059) | 150 V  |
| Rated voltage (Use group D / UL 1059) | 300 V  | Rated current (Use group B / UL 1059) | 15 A   |
| Rated current (Use group C / UL 1059) | 15 A   | Rated current (Use group D / UL 1059) | 10 A   |
| Wire cross-section, AWG, min.         | AWG 26   | Wire cross-section, AWG, max.         | AWG 14 |
| Reference to approval values          | Specifications are maximum values, details - see approval certificate. |                                       |        |

### **Packing**

| Packaging | Box       | VPE length | 105.00 mm |
|-----------|-----------|------------|-----------|
| VPE width | 150.00 mm | VPE height | 280.00 mm |

### Type tests

| Test: Durability of markings  | Standard       | DIN EN 60512-1-1 / 01.03  |  |
|-------------------------------|----------------|---|--|
|                               | Test           | mark of origin, type identification, type of<br>material, approval marking UL, approval mark<br>CSA, durability |  |
|                               | Evaluation     | available   |  |
| Test: Clampable cross section | Standard       | DIN EN 60999-1 section 7 and 9.1 / 12.00, D<br>EN 60947-1 section 8.2.4.5.1 / 12.02                             |  |
|                               | Conductor type | Type of conductor solid 0,13 mm <sup>2</sup> and conductor cross-section  |  |
|                               |                | Type of conductor flexible 0,13 mm <sup>2</sup> and conductor cross-section                                     |  |
|                               |                | Type of conductor flexible 0,13 mm <sup>2</sup> and conductor cross-section                                     |  |
|                               |                | Type of conductor solid 2.5 mm <sup>2</sup> and conductor cross-section   |  |
|                               |                | Type of conductor stranded 2.5 mm <sup>2</sup> and conductor cross-section                                      |  |
|                               |                | Type of conductor AWG 26/1 and conductor cross-section  |  |

Creation date 30.10.2025 12:46:46 MEZ



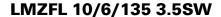
### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

## Technical data

|                                  |                | Type of conductor AWG 26/19 and conductor cross-section                             |
|----------------------------------|----------------|---|
|                                  |                | Type of conductor AWG 14/1 and conductor cross-section                              |
|                                  |                | Type of conductor AWG 14/19 and conductor cross-section                             |
|                                  | Evaluation     | passed  |
| est for damage to and accidental | Standard       | DIN EN 60999-1 section 9.4 / 12.00  |
| osening of conductors            | Requirement    | 0.2 kg  |
|                                  | Conductor type | Type of conductor AWG 26/1 and conductor cross-section  Type of conductor AWG 26/19 |
|                                  |                | and conductor cross-<br>section   |
|                                  | Evaluation     | passed  |
|                                  | Requirement    | 0.3 kg  |
|                                  | Conductor type | Type of conductor solid 0.5 mm <sup>2</sup> and conductor cross-section             |
|                                  |                | Type of conductor stranded 0.5 mm <sup>2</sup> and conductor cross-section          |
|                                  | Evaluation     | passed  |
|                                  | Requirement    | 0.7 kg  |
|                                  | Conductor type | Type of conductor solid 2.5 mm <sup>2</sup> and conductor cross-section             |
|                                  |                | Type of conductor stranded 2.5 mm <sup>2</sup> and conductor cross-section          |
|                                  | Evaluation     | passed  |
|                                  | Requirement    | 0.9 kg  |
|                                  | Conductor type | Type of conductor AWG 14/1 and conductor cross-section                              |
|                                  |                | Type of conductor AWG 14/19 and conductor cross-section                             |
|                                  | Evaluation     | passed  |
| ull-out test                     | Standard       | DIN EN 60999-1 section 9.5 / 12.00  |
|                                  | Requirement    | ≥10 N   |
|                                  | Conductor type | Type of conductor AWG 26/1 and conductor cross-section                              |
|                                  |                | Type of conductor AWG 26/19 and conductor cross-section                             |
|                                  | Evaluation     | passed  |
|                                  | Requirement    | ≥20 N   |
|                                  | Conductor type | Type of conductor H05V-U0.5 and conductor cross-section                             |
|                                  |                | Type of conductor H05V-K0.5 and conductor cross-section                             |
|                                  | Evaluation     | passed  |
|                                  | Requirement    | ≥50 N   |





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## **Technical data**

| Conductor type | Type of conductor H07V-U2.5 and conductor cross-section |
|----------------|---|
|                | Type of conductor H07V-K2.5 and conductor cross-section |
|                | Type of conductor AWG 14/1 and conductor cross-section  |
|                | Type of conductor AWG 14/19 and conductor cross-section |
| Evaluation     | passed  |

### **Important note**

IPC conformity

Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

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.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

#### Classifications

| ETIM 6.0    | EC002643    | ETIM 7.0    | EC002643    |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002643    | ETIM 9.0    | EC002643    |
| ETIM 10.0   | EC002643    | ECLASS 9.0  | 27-44-04-01 |
| ECLASS 9.1  | 27-44-04-01 | ECLASS 10.0 | 27-44-04-01 |
| ECLASS 11.0 | 27-46-01-01 | ECLASS 12.0 | 27-46-01-01 |
| ECLASS 13.0 | 27-46-01-01 | ECLASS 14.0 | 27-46-01-01 |
| ECLASS 15.0 | 27-46-01-01 |             |             |



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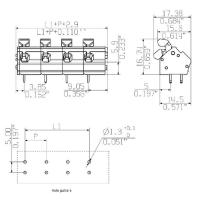
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## **Drawings**

### **Product image**



### **Dimensional drawing**



**Graph** Graph

