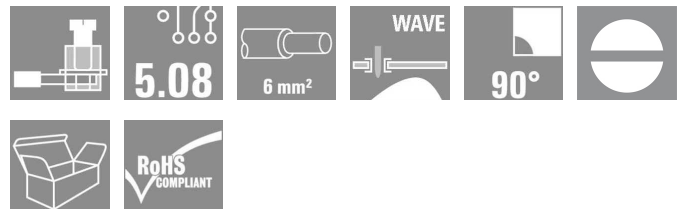


## OMNIMATE Signal - series LL LL 5.08/02/90 3.2SN OR BX

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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This PCB terminal provides connections for 32 A and 6 mm<sup>2</sup> conductor cross-section with the proven clamping-yoke connection, in 5.00 and 5.08 mm pitch. 90° conductor outlet direction.

- 0.20 - 6.0mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 32 A (IEC) / 20 A (UL)

### General ordering data

|              |                                                                                                                                                                                       |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type         | LL 5.08/02/90 3.2SN OR BX                                                                                                                                                             |
| Order No.    | <a href="#">1934250000</a>                                                                                                                                                            |
| Version      | PCB terminal, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm <sup>2</sup> , Box |
| GTIN (EAN)   | 4032248590827                                                                                                                                                                         |
| Qty.         | 100 pc(s).                                                                                                                                                                            |
| Product data | IEC: 500 V / 32.5 A / 0.5 - 6 mm <sup>2</sup><br>UL: 300 V / 20 A / AWG 28 - AWG 12                                                                                                   |
| Packaging    | Box                                                                                                                                                                                   |

Erstellungs-Datum January 27, 2014 10:31:00 AM CET

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## Technische Daten

### Dimensions and weights

Net weight 3.16 g

### System characteristics

|                                              |                             |                                            |                          |
|----------------------------------------------|-----------------------------|--------------------------------------------|--------------------------|
| Product family                               | OMNIMATE Signal - series LL | Wire connection method                     | Clamping yoke connection |
| Mounting onto the PCB                        | Solder connection           | Conductor outlet direction                 | 90°                      |
| Pitch in mm (P)                              | 5.08 mm                     | Pitch in inches (P)                        | 0.2 inch                 |
| No. of poles                                 | 2                           | Fitted by customer                         | Yes                      |
| Max. adjacent poles per row                  | 24                          | Solder pin length (l)                      | 3.2 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                    | Tightening torque, min.                    | 0.5 Nm                   |
| Tightening torque, max.                      | 0.6 Nm                      | Clamping screw                             | M 3                      |
| Stripping length                             | 6 mm                        | L1 in mm                                   | 5.08 mm                  |
| L1 in inches                                 | 0.2 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       | Wemid (PA) | Colour          | Orange |
| UL 94 flammability rating | V-0        | CTI             | ≥ 600  |
| Contact material          | Cu-Leg     | Contact surface | tinned |
| Contact base material     | Cu-Leg     |                 |        |

### Connectable conductors

|                                                 |                         |                                                 |                     |
|-------------------------------------------------|-------------------------|-------------------------------------------------|---------------------|
| Clamping range, rated connection, min.          | 0.08 mm <sup>2</sup>    | Clamping range, rated connection, max.          | 6 mm <sup>2</sup>   |
| Wire connection cross section AWG, min.         | AWG 26                  | Wire connection cross section AWG, max.         | AWG 12              |
| Solid, min. H05(07) V-U                         | 0.5 mm <sup>2</sup>     | Solid, max. H05(07) V-U                         | 6 mm <sup>2</sup>   |
| Flexible, min. H05(07) V-K                      | 0.5 mm <sup>2</sup>     | Flexible, max. H05(07) V-K                      | 4 mm <sup>2</sup>   |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.5 mm <sup>2</sup>     | w. wire end ferrule, DIN 46228 pt 1, max.       | 2.5 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. | 2.5 mm <sup>2</sup> |
| Plug gauge acc. to EN 60999 a x b; Ø            | 2.8 mm x 2.4 mm; 3.0 mm |                                                 |                     |

### DIN IEC rating data

|                                                                      |                   |                                                                          |       |
|----------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------|-------|
| Rated current, min. no. of poles (Tu=20°C)                           | 32.5 A            | Rated current, max. no. of poles (Tu=20°C)                               | 26 A  |
| Rated current, number of poles (Tu=40°C), min                        | 27.5 A            | Rated current, number of poles (Tu=40°C), max.                           | 22 A  |
| Rated voltage for surge voltage class pollution degree II/2          | 500 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  |
| Short-time withstand current resistance                              | 3 x 1s with 120 A |                                                                          |       |

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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 28

Wire cross-section, AWG, max. AWG 12

### UL 1059 rating data

Institute (UR)



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 28

Wire cross-section, AWG, max. AWG 12

### 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

- 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



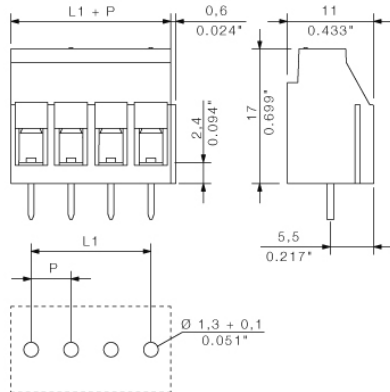
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Conform

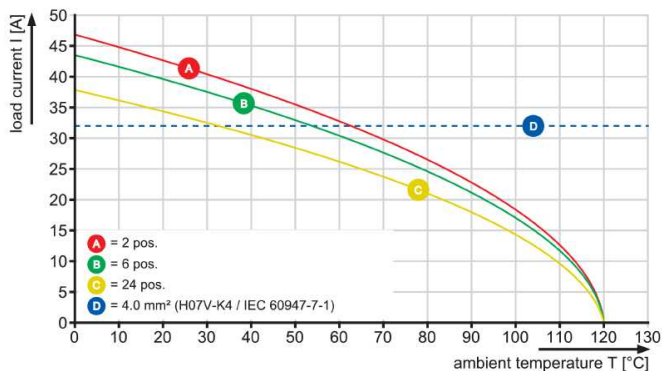
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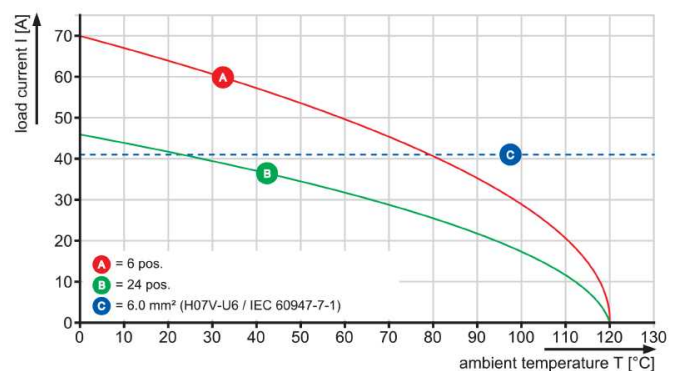
## Zeichnungen



LL 5.00/./90



LL 5.00/./90



LL 5.08/./90

