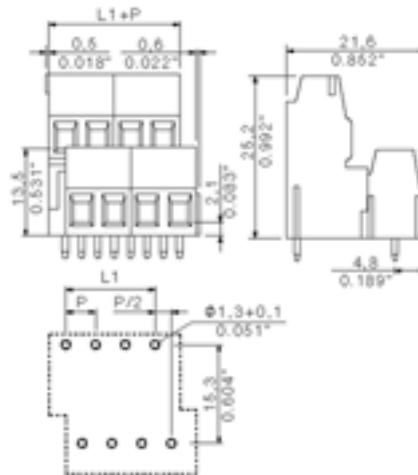




#### General ordering data

|                  |                                                                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1768870000                                                                                                                                               |
| Part designation | LM2N5.08/8 3.5 OR                                                                                                                                        |
| Version          | PCB terminal, Clamping yoke connection,<br>Soldered connection, Clamping range, max.: 2.5<br>mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 8, 90°, Box |
| EAN              | 4032248115600                                                                                                                                            |
| Qty.             | 50 pc(s).                                                                                                                                                |

#### System parameters

|                                 |                          |
|---------------------------------|--------------------------|
| Product family                  | System LM                |
| Conductor connection system     | Clamping yoke connection |
| Fitted to PCB                   | Soldered connection      |
| Outgoing direction of conductor | 90°                      |
| Pitch                           | 5.08 mm                  |
| Pitch in inch                   | 0.2 inch                 |
| No. of poles                    | 8                        |
| Fitted by customer              | yes                      |
| Max. adjacent poles per row     | 48                       |
| No. of rows                     | 2                        |
| Solder pin length               | 3.5 mm                   |
| Dia. of fitting hole            | 1.3 mm                   |
| Fitting hole tolerance          | + 0.1 mm                 |
| No. of solder pins per pole     | 1                        |

#### System parameters

|                                           |                        |
|-------------------------------------------|------------------------|
| Screwdriver blade                         | 0.6 x 3.5              |
| Screwdriver blade standard                | DIN 5264               |
| Tightening torque, min.                   | 0.4 Nm                 |
| Tightening torque, max.                   | 0.5 Nm                 |
| Clamping screw                            | M 2.5                  |
| Stripping length                          | 6 mm                   |
| L1 in mm                                  | 15.24 mm               |
| L1 in inch                                | 0.6 inch               |
| Electric shock protection to DIN VDE 0470 | IP 20                  |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

#### Material data

|                               |                     |
|-------------------------------|---------------------|
| Insulating material           | Wemid (PA)          |
| Colour                        | orange              |
| colour chart                  | Similar to RAL 2000 |
| Insulating material group     | I                   |
| Flammability class UL 94      | V-0                 |
| CTI                           | >= 600              |
| Temperature of glow-wire test | 750 °C              |
| Duration of glow-wire test    | 30 S                |
| Contact base material         | Copper alloy        |
| Contact surface               | tinned              |
| Storage temperature, min.     | -25 °C              |
| Storage temperature, max.     | 55 °C               |

#### Connectable conductors

|                                                   |                        |
|---------------------------------------------------|------------------------|
| Clamping range, min.                              | 0.2 mm <sup>2</sup>    |
| Clamping range, max.                              | 2.5 mm <sup>2</sup>    |
| AWG, min.                                         | 24                     |
| AWG, max.                                         | 14                     |
| O.D. of conductor insulation, max.                | 2.9 mm                 |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>    |
| Solid, max. H05(07) V-U                           | 2.5 mm <sup>2</sup>    |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>    |
| Flexible, max. H05(07) V-K                        | 1.5 mm <sup>2</sup>    |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.25 mm <sup>2</sup>   |
| With wire end ferrule, acc. to DIN 46 228/1, 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>    |
| Gauge to EN 60999 a x b; ø                        | 2.4 mm x 1.5 mm; 1.9mm |

#### DIN IEC rating data

|                                                              |        |
|--------------------------------------------------------------|--------|
| Rated current, min. No. pins (Tu=20°C)                       | 17.5 A |
| Rated current, max. No. pins (Tu=20°C)                       | 16 A   |
| Rated current, min. No. pins (Tu=40°C)                       | 17.5 A |
| Rated current, max. No. pins (Tu=40°C)                       | 14.2 A |
| Rated voltage for overvoltage class/pollution severity II/2  | 630 V  |
| Rated voltage for overvoltage class/pollution severity III/2 | 320 V  |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 4 kV              |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV              |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV              |
| Short-time withstand current resistance                                        | 3 x 1s with 120 A |

#### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group D)        | 300 V |
| Rated current (Use group D)        | 10 A  |
| AWG conductor (field wiring), min. | 24    |
| AWG conductor (field wiring), max. | 14    |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |
| AWG conductor, min.         | 24    |
| AWG conductor, max.         | 14    |

#### Approvals

Approvals institutes



#### Downloads

|                                       |          |
|---------------------------------------|----------|
| CAD Library (P-CAD Format - Standard) | LM2N.lib |
|---------------------------------------|----------|

#### Classifications

|            |          |
|------------|----------|
| ETIM 2.0   | NK       |
| ETIM 3.0   | EC001284 |
| eClass 4.1 | NK       |
| eClass 5.0 | NK       |
| eClass 5.1 | NK       |

#### Similar products

| Order No.  | Part designation  | Version                                                                                                                                            |
|------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1768850000 | LM2N5.08/4 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Box |
| 1768860000 | LM2N5.08/6 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 6, 90°, Box |

|            |                    |                                                                                                                                                     |
|------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1768880000 | LM2N5.08/10 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 10, 90°, Box |
| 1768890000 | LM2N5.08/12 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 12, 90°, Box |
| 1768900000 | LM2N5.08/14 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 14, 90°, Box |
| 1768910000 | LM2N5.08/16 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 90°, Box |
| 1768920000 | LM2N5.08/18 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 18, 90°, Box |
| 1768930000 | LM2N5.08/20 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 20, 90°, Box |
| 1768940000 | LM2N5.08/22 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 22, 90°, Box |
| 1768950000 | LM2N5.08/24 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 90°, Box |
| 1768960000 | LM2N5.08/26 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 26, 90°, Box |
| 1768970000 | LM2N5.08/28 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 28, 90°, Box |
| 1768980000 | LM2N5.08/30 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 30, 90°, Box |
| 1768990000 | LM2N5.08/32 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 32, 90°, Box |
| 1769000000 | LM2N5.08/34 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 34, 90°, Box |
| 1769010000 | LM2N5.08/36 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 36, 90°, Box |
| 1769020000 | LM2N5.08/38 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 38, 90°, Box |
| 1769030000 | LM2N5.08/40 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 40, 90°, Box |
| 1769040000 | LM2N5.08/42 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 42, 90°, Box |

|            |                    |                                                                                                                                                     |
|------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1769050000 | LM2N5.08/44 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 44, 90°, Box |
| 1769060000 | LM2N5.08/46 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 46, 90°, Box |
| 1769070000 | LM2N5.08/48 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 48, 90°, Box |