



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1703800000   |
| Part designation | LM2N 3.5/24 3.2 OR   |
| Version          | PCB terminal, Clamping yoke connection,<br>Soldered connection, Clamping range, max.: 2.08<br>mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 24, 90°, Box |
| EAN              | 4008190910877  |
| Qty.             | 25 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                           | 3.5 mm                   |
| Pitch in inch                   | 0.138 inch               |
| No. of poles                    | 24                       |
| Fitted by customer              | yes                      |
| Max. adjacent poles per row     | 24                       |
| No. of rows                     | 2                        |
| Solder pin length               | 3.2 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                         | 0.4 x 2.5              |
| Screwdriver blade standard                | DIN 5264               |
| Tightening torque, min.                   | 0.2                    |
| Tightening torque, max.                   | 0.2 Nm                 |
| Clamping screw                            | M 2                    |
| Stripping length                          | 5 mm                   |
| L1 in mm                                  | 38.5 mm                |
| L1 in inch                                | 1.516 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           | PA                  |
| Colour                        | orange              |
| colour chart                  | Similar to RAL 2000 |
| Insulating material group     | I                   |
| Flammability class UL 94      | V-2                 |
| 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.     | -20 °C              |
| Storage temperature, max.     | 55 °C               |

**Connectable conductors**

|   |                      |
|---|----------------------|
| Clamping range, min.                            | 0.08 mm <sup>2</sup> |
| Clamping range, max.                            | 2.08 mm <sup>2</sup> |
| AWG, min.                                       | 28                   |
| AWG, max.                                       | 14                   |
| O.D. of conductor insulation, max.              | 2.9 mm               |
| Solid, min. H05(07) V-U                         | 0.5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                         | 1.5 mm <sup>2</sup>  |
| Flexible, min. H05(07) V-K                      | 0.5 mm <sup>2</sup>  |
| Flexible, max. H05(07) V-K                      | 1.5 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. | 0.75 mm <sup>2</sup> |
| Gauge to EN 60999 a x b; ø                      | 2.4 mm x 1.5 mm;     |

**DIN IEC rating data**

|  |       |
|--|-------|
| Rated current, min. No. pins (Tu=20°C)                       | 13 A  |
| Rated current, max. No. pins (Tu=20°C)                       | 12 A  |
| Rated current, min. No. pins (Tu=40°C)                       | 11 A  |
| Rated current, max. No. pins (Tu=40°C)                       | 10 A  |
| Rated voltage for overvoltage class/pollution severity II/2  | 320 V |
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 V |

#### DIN IEC rating data

|  |                  |
|--|------------------|
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 2.5 kV           |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2.5 kV           |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 kV           |
| Short-time withstand current resistance  | 3 x 1s with 72 A |

#### CSA rating data

|                                    |       |
|------------------------------------|-------|
| Rated voltage (Use group D)        | 300 V |
| Rated current (Use group D)        | 10 A  |
| AWG conductor (field wiring), min. | 28    |
| 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.         | 28    |
| AWG conductor, max.         | 14    |

#### Approvals

Approvals institutes



#### Classifications

|            |    |
|------------|----|
| eClass 4.1 | NK |
| eClass 5.0 | NK |
| eClass 5.1 | NK |

#### Similar products

| Order No.  | Part designation   | Version  |
|------------|--------------------|--|
| 1703700000 | LM2N 3.5/4 3.2 OR  | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 4, 90°, Box  |
| 1703710000 | LM2N 3.5/6 3.2 OR  | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 6, 90°, Box  |
| 1703720000 | LM2N 3.5/8 3.2 OR  | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 8, 90°, Box  |
| 1703730000 | LM2N 3.5/10 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 10, 90°, Box |

|            |                    |  |
|------------|--------------------|--|
| 1703740000 | LM2N 3.5/12 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 12, 90°, Box |
| 1703750000 | LM2N 3.5/14 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 14, 90°, Box |
| 1703760000 | LM2N 3.5/16 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 16, 90°, Box |
| 1703770000 | LM2N 3.5/18 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 18, 90°, Box |
| 1703780000 | LM2N 3.5/20 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 20, 90°, Box |
| 1703790000 | LM2N 3.5/22 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 22, 90°, Box |
| 1703810000 | LM2N 3.5/26 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 26, 90°, Box |
| 1703820000 | LM2N 3.5/28 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 28, 90°, Box |
| 1703830000 | LM2N 3.5/30 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 30, 90°, Box |
| 1703840000 | LM2N 3.5/32 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 32, 90°, Box |
| 1703850000 | LM2N 3.5/34 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 34, 90°, Box |
| 1703860000 | LM2N 3.5/36 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 36, 90°, Box |
| 1703870000 | LM2N 3.5/38 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 38, 90°, Box |
| 1703880000 | LM2N 3.5/40 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 40, 90°, Box |
| 1703890000 | LM2N 3.5/42 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 42, 90°, Box |
| 1703900000 | LM2N 3.5/44 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 44, 90°, Box |
| 1703910000 | LM2N 3.5/46 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.08 mm <sup>2</sup> , Pitch: 3.50 mm, No. of poles: 46, 90°, Box |

1703920000 LM2N 3.5/48 3.2 OR

PCB terminal, Clamping yoke connection, Soldered connection,  
Clamping range, max.: 2.08 mm<sup>2</sup>, Pitch: 3.50 mm, No. of poles: 48,  
90°, Box