



General ordering data

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| Order No. | 1764830000 |
| Part designation | LM2NZF 5.08/8 3.5 OR |
| Version | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 8, 135°, Box |
| EAN | 4032248102969 |
| Qty. | 50 pc(s). |

System parameters

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|---------------------------------|--------------------------|
| Product family | System LM |
| Conductor connection system | Tension clamp connection |
| Fitted to PCB | Soldered connection |
| Outgoing direction of conductor | 135° |
| Pitch | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 8 |
| Fitted by customer | no |
| 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 |
| Screwdriver blade | 0.6 x 3.5 |

System parameters

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|---|------------------------|
| Screwdriver blade standard | DIN 5264-A |
| Stripping length | 7.5 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

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|---------------------------|---------------------|
| Insulating material | PA |
| Colour | orange |
| colour chart | Similar to RAL 2000 |
| Insulating material group | I |
| Flammability class UL 94 | V-2 |
| CTI | >= 600 |
| Contact base material | Copper alloy |
| Contact surface | tinned |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 55 °C |

Connectable conductors

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|---|----------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 2.5 mm ² |
| AWG, min. | 24 |
| AWG, max. | 14 |
| Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 1.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.25 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 1.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm ² |
| Gauge to EN 60999 a x b; ø | 2.4 mm x 1.5 mm; |

DIN IEC rating data

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|--|-------|
| Rated current, min. No. pins (Tu=20°C) | 15 A |
| Rated current, max. No. pins (Tu=20°C) | 12 A |
| Rated current, min. No. pins (Tu=40°C) | 13 A |
| Rated current, max. No. pins (Tu=40°C) | 10 A |
| Rated voltage for overvoltage class/pollution severity II/2 | 630 V |
| Rated voltage for overvoltage class/pollution severity III/2 | 320 V |
| 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 |

DIN IEC rating data

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) | LM2NZF.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 |
|------------|-----------------------|--|
| 1764810000 | LM2NZF 5.08/4 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 4, 135°, Box |
| 1764820000 | LM2NZF 5.08/6 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 6, 135°, Box |
| 1764840000 | LM2NZF 5.08/10 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 10, 135°, Box |

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| 1764850000 | LM2NZF 5.08/12 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 12, 135°, Box |
| 1764860000 | LM2NZF 5.08/14 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 14, 135°, Box |
| 1764870000 | LM2NZF 5.08/16 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 16, 135°, Box |
| 1764880000 | LM2NZF 5.08/18 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 18, 135°, Box |
| 1758020000 | LM2NZF 5.08/20 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 20, 135°, Box |
| 1764890000 | LM2NZF 5.08/22 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 22, 135°, Box |
| 1764900000 | LM2NZF 5.08/24 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 24, 135°, Box |
| 1782500000 | LM2NZF 5.08/26 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 26, 135°, Box |
| 1782510000 | LM2NZF 5.08/28 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 28, 135°, Box |
| 1782520000 | LM2NZF 5.08/30 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 30, 135°, Box |
| 1782530000 | LM2NZF 5.08/32 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 32, 135°, Box |
| 1782540000 | LM2NZF 5.08/34 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 34, 135°, Box |
| 1782550000 | LM2NZF 5.08/36 3.5 OR | PCB terminal, Tension clamp connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.08 mm, No. of poles: 36, 135°, Box |