



General ordering data

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| Order No. | 9993760000 |
| Part designation | LM5.00/8/180 3.5 SW |
| Version | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 180°, Box |
| EAN | 4032248376094 |
| Qty. | 50 pc(s). |

System parameters

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|---------------------------------|--------------------------|
| Product family | System LM |
| Conductor connection system | Clamping yoke connection |
| Fitted to PCB | Soldered connection |
| Outgoing direction of conductor | 180° |
| Pitch | 5 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 8 |
| Fitted by customer | yes |
| Max. adjacent poles per row | 24 |
| No. of rows | 1 |
| 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

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|---|------------------------------|
| 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 | 35 mm |
| L1 in inch | 1.378 inch |
| Electric shock protection to DIN VDE 0470 | IP 10 |
| Electric shock protection to DIN VDE 0470 | Safe from back-of-hand touch |

Material data

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| Insulating material | Wemid (PA) |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| 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

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|---|------------------------|
| Clamping range, min. | 0.2 mm ² |
| Clamping range, max. | 2.5 mm ² |
| AWG, min. | 24 |
| AWG, max. | 14 |
| O.D. of conductor insulation, max. | 2.9 mm |
| 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; 1.9mm |

DIN IEC rating data

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| 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

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|--|-------------------|
| 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

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

UL 1059 rating data

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

Approvals

Approvals institutes



Downloads

| | |
|---------------------------------------|--------|
| CAD Library (P-CAD Format - Standard) | LM.lib |
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Classifications

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| 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 |
|------------|----------------------|--|
| 1715330000 | LM5.00/2/180 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1715270000 | LM5.00/2/180 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1913250000 | LM 5.00/2/180 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1715390000 | LM5.00/2/180 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1715340000 | LM5.00/3/180 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1715280000 | LM5.00/3/180 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1913300000 | LM 5.00/3/180 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1715400000 | LM5.00/3/180 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 9993720000 | LM5.00/4/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 180°, Box |
| 9993730000 | LM5.00/5/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 180°, Box |
| 9993740000 | LM5.00/6/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 180°, Box |
| 9993750000 | LM5.00/7/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 180°, Box |
| 9993770000 | LM5.00/9/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 180°, Box |
| 9993780000 | LM5.00/10/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 9993790000 | LM5.00/11/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 180°, Box |
| 9993800000 | LM5.00/12/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 9993810000 | LM5.00/13/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 13, 180°, Box |

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| 9993820000 | LM5.00/14/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 9993830000 | LM5.00/15/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 9993840000 | LM5.00/16/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| 9993850000 | LM5.00/17/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 17, 180°, Box |
| 9993860000 | LM5.00/18/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 18, 180°, Box |
| 9993010000 | LM5.00/19/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 19, 180°, Box |
| 9993870000 | LM5.00/20/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| 9993880000 | LM5.00/21/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 21, 180°, Box |
| 9993890000 | LM5.00/22/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 22, 180°, Box |
| 9993900000 | LM5.00/23/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 23, 180°, Box |
| 9993910000 | LM5.00/24/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 24, 180°, Box |