







| Order No. | 9994840000 |
|------------------|--|
| Part designation | LM5.08/12/180 3.5 SW |
| Version | PCB terminal, Clamping yoke connection, |
| | Soldered connection, Clamping range, max.: 2.5 |
| | mm², Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| EAN | 4032248378005 |
| Qtv. | 50 pc(s). |

| Product family | System LM |
|---------------------------------|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Fitted to PCB | Soldered connection |
| Outgoing direction of conductor | 180° |
| Pitch | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 12 |
| 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 | |
|---|------------------------|
| System parameters Screwdriver blade | 0.6 x 3.5 |
| Screwdriver blade Screwdriver blade standard | DIN 5264 |
| | 0.4 Nm |
| Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | |
| Clamping screw | M 2.5 |
| Stripping length | 6 mm |
| L1 in mm | 55.88 mm |
| L1 in inch | 2.2 inch |
| Electric shock protection to DIN VDE 0470 | IP 10 |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |
| Material data | |
| 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 base material Contact surface | tinned |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 55 °C |
| Storage temperature, max. | 33 0 |
| Connectable conductors | |
| Clamping range, min. | 0.2 mm² |
| 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 | |
| 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=20°C) | 17.5 A |
| Rated current, max. No. pins (Tu=40°C) | 14.2 A |
| Rated voltage for overvoltage class/pollution | 630 V |
| severity II/2 | 000 ¥ |
| Rated voltage for overvoltage class/pollution | 320 V |
| severity III/2 | 020 V |
| Severity III/2 | |



| 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 |
| | |
| 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 | |
| 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 |
| | |
| 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 |
|------------|---------------------|--|
| 1716100000 | LM5.08/2/180 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1716040000 | LM5.08/2/180 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1915800000 | LM 5.08/2/180 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1716160000 | LM5.08/2/180 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1716110000 | LM5.08/3/180 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1716050000 | LM5.08/3/180 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1915810000 | LM 5.08/3/180 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1716170000 | LM5.08/3/180 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 9994970000 | LM5.08/4/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 9994760000 | LM5.08/4/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 9994980000 | LM5.08/5/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 9994770000 | LM5.08/5/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 9994990000 | LM5.08/6/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 9994780000 | LM5.08/6/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 9995000000 | LM5.08/7/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 9994790000 | LM5.08/7/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 9995010000 | LM5.08/8/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 8, 180°, Box |



| 9994800000 | LM5.08/8/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
|------------|----------------------|---|
| 9995020000 | LM5.08/9/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 9994810000 | LM5.08/9/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 9995030000 | LM5.08/10/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 9994820000 | LM5.08/10/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 9995040000 | LM5.08/11/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 9994830000 | LM5.08/11/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 9995050000 | LM5.08/12/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 9995060000 | LM5.08/13/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 9994850000 | LM5.08/13/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 9995070000 | LM5.08/14/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 9994860000 | LM5.08/14/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 9995080000 | LM5.08/15/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 9994870000 | LM5.08/15/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 9995090000 | LM5.08/16/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 9994880000 | LM5.08/16/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 9995100000 | LM5.08/17/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| | | |



| 9994890000 | LM5.08/17/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
|------------|----------------------|---|
| 9995110000 | LM5.08/18/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 9994900000 | LM5.08/18/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 9995120000 | LM5.08/19/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 9994910000 | LM5.08/19/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 9995130000 | LM5.08/20/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 9994920000 | LM5.08/20/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 9995140000 | LM5.08/21/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 9994930000 | LM5.08/21/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 9995150000 | LM5.08/22/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 9994940000 | LM5.08/22/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 9995210000 | LM5.08/23/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 9994950000 | LM5.08/23/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 9995220000 | LM5.08/24/180 3.5 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 24, 180°, Box |
| 9994960000 | LM5.08/24/180 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm², Pitch: 5.08 mm, No. of poles: 24, 180°, Box |

