



General ordering data

| | |
|------------------|--|
| Order No. | 1715310000 |
| Part designation | LM5.00/2/90 OR |
| Version | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box |
| EAN | 4008190365196 |
| Qty. | 500 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 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 2 |
| 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

| | |
|---|------------------------|
| 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 | 5 mm |
| L1 in inch | 0.197 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 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

| | |
|--|--------|
| 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) | 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 |
|------------|------------------|--|
| 1715250000 | LM5.00/2/90 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box |

| | | |
|------------|--------------------|--|
| 1913110000 | LM 5.00/2/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box |
| 1715370000 | LM5.00/2/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box |
| 1715320000 | LM5.00/3/90 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1715260000 | LM5.00/3/90 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1913120000 | LM 5.00/3/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1715380000 | LM5.00/3/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1821490000 | LM5.00/4/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box |
| 9993300000 | LM5.00/4/90 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, 90°, Box |
| 1913150000 | LM 5.00/4/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box |
| 1913000000 | LM 5.00/4/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box |
| 1845310000 | LM5.00/5/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box |
| 9993310000 | LM5.00/5/90 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, 90°, Box |
| 1913160000 | LM 5.00/5/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box |
| 1913010000 | LM 5.00/5/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box |
| 1845320000 | LM5.00/6/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box |
| 9993320000 | LM5.00/6/90 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, 90°, Box |
| 1913170000 | LM 5.00/6/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box |

| | | |
|------------|---------------------|---|
| 1913020000 | LM 5.00/6/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box |
| 1845330000 | LM5.00/7/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box |
| 9993330000 | LM5.00/7/90 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, 90°, Box |
| 1913180000 | LM 5.00/7/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box |
| 1913030000 | LM 5.00/7/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box |
| 1845340000 | LM5.00/8/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box |
| 9993340000 | LM5.00/8/90 3.5 SW | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box |
| 1913190000 | LM 5.00/8/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box |
| 1913050000 | LM 5.00/8/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box |
| 1845350000 | LM5.00/9/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box |
| 9993350000 | LM5.00/9/90 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, 90°, Box |
| 1913200000 | LM 5.00/9/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box |
| 1913060000 | LM 5.00/9/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box |
| 1845360000 | LM5.00/10/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1845370000 | LM5.00/11/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 9993360000 | LM5.00/10/90 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, 90°, Box |
| 1913210000 | LM 5.00/10/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box |

| | | |
|------------|---------------------|---|
| 1913070000 | LM 5.00/10/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 9993370000 | LM5.00/11/90 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, 90°, Box |
| 1913220000 | LM 5.00/11/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1913090000 | LM 5.00/11/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1845380000 | LM5.00/12/90 3.5OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 9993380000 | LM5.00/12/90 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, 90°, Box |
| 1913230000 | LM 5.00/12/90 GR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 1913100000 | LM 5.00/12/90 GN | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 2.5 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 9993390000 | LM5.00/13/90 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, 90°, Box |
| 9993400000 | LM5.00/14/90 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, 90°, Box |
| 9993410000 | LM5.00/15/90 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, 90°, Box |
| 9993420000 | LM5.00/16/90 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, 90°, Box |
| 9993430000 | LM5.00/17/90 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, 90°, Box |
| 9993440000 | LM5.00/18/90 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, 90°, Box |
| 9993450000 | LM5.00/19/90 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, 90°, Box |
| 9993460000 | LM5.00/20/90 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, 90°, Box |
| 9993470000 | LM5.00/21/90 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, 90°, Box |

| | | |
|------------|---------------------|---|
| 9993480000 | LM5.00/22/90 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, 90°, Box |
| 9993490000 | LM5.00/23/90 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, 90°, Box |
| 9993500000 | LM5.00/24/90 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, 90°, Box |