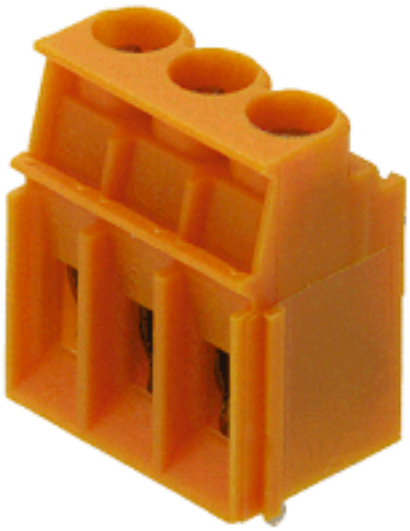
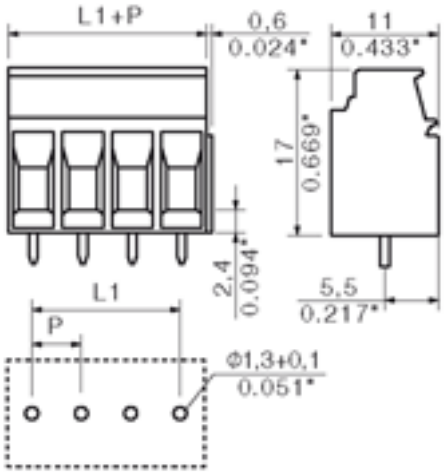





| General ordering data | |
|---|---|
| Order No. | 1594390000 |
| Part designation | LP5.08/16/90 3.2 OR |
| Version | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 16, 90°, Box |
| EAN | 4008190026707 |
| Qty. | 50 pc(s). |

| System parameters | |
|---|---|
| Product family | System LP |
| Conductor connection system | Clamping yoke connection |
| Fitted to PCB | Soldered connection |
| Outgoing direction of conductor | 90° |
| Pitch | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 16 |
| Fitted by customer | yes |
| Max. adjacent poles per row | 24 |
| No. of rows | 1 |
| 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 | 0.6 x 3.5 |
| Screwdriver blade standard | DIN 5264 |
| Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | 0.6 Nm |
| Clamping screw | M 3 |
| Stripping length | 6 mm |
| L1 in mm | 76.2 mm |
| L1 in inch | 3 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. | -25 °C |
| Storage temperature, max. | 55 °C |

| Connectable conductors | |
|---|---|
| Clamping range, min. | 0.13 mm² |
| Clamping range, max. | 6 mm² |
| AWG, min. | 26 |
| AWG, max. | 12 |
| Solid, min. H05(07) V-U | 0.5 mm² |
| Solid, max. H05(07) V-U | 6 mm² |
| Flexible, min. H05(07) V-K | 0.5 mm² |
| Flexible, max. H05(07) V-K | 4 mm² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.5 mm² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 2.5 mm² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.5 mm² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm² |
| Gauge to EN 60999 a x b; ø | 2.8 mm x 2.4 mm; 3.0 mm |

| DIN IEC rating data | |
|---|---|
| Rated current, min. No. pins (Tu=20°C) | 32 A |
| Rated current, max. No. pins (Tu=20°C) | 30.5 A |
| Rated current, min. No. pins(Tu=40°C) | 32 A |
| Rated current, max. No. pins (Tu=40°C) | 25 A |
| Rated voltage for overvoltage class/pollution severity II/2 | 500 V |
| Rated voltage for overvoltage class/pollution severity III/2 | 250 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 250 V |

| DIN IEC rating data | |
|---|---|
| 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. | 26 |
| AWG conductor (field wiring), max. | 12 |

| UL 1059 rating data | |
|---|---|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A |
| AWG conductor, min. | 26 |
| AWG conductor, max. | 12 |

**Approvals**

Approvals institutes

**Downloads**

| | |
|---|---|
| CAD Library (P-CAD Format - Standard) | LP.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 |
|---|---|---|

| | | |
|---|---|---|
| 1592820000 | LP5.08/2/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 2, 90°, Box |
| 1592830000 | LP5.08/3/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 3, 90°, Box |
| 1594360000 | LP5.08/4/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 4, 90°, Box |
| 1724530000 | LP5.08/5/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 5, 90°, Box |
| 1608250000 | LP5.08/6/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 6, 90°, Box |
| 1759120000 | LP5.08/7/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 7, 90°, Box |
| 1594370000 | LP5.08/8/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 8, 90°, Box |
| 1759130000 | LP5.08/9/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 9, 90°, Box |
| 1594380000 | LP5.08/10/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 10, 90°, Box |
| 1760480000 | LP5.08/11/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 11, 90°, Box |
| 1608270000 | LP5.08/12/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 12, 90°, Box |
| 1759140000 | LP5.08/13/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 13, 90°, Box |
| 1759150000 | LP5.08/14/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 14, 90°, Box |
| 1759160000 | LP5.08/15/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 15, 90°, Box |
| 1759170000 | LP5.08/17/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 17, 90°, Box |
| 1759180000 | LP5.08/18/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 18, 90°, Box |
| 1844450000 | LP5.08/19/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 19, 90°, Box |

| | | | |
|---|---|---|---|
| | 1759190000 | LP5.08/20/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 20, 90°, Box |
| | 1759200000 | LP5.08/21/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 21, 90°, Box |
| | 1844460000 | LP5.08/22/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 22, 90°, Box |
| | 1844470000 | LP5.08/23/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 23, 90°, Box |
| | 1608290000 | LP5.08/24/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm², Pitch: 5.08 mm, No. of poles: 24, 90°, Box |