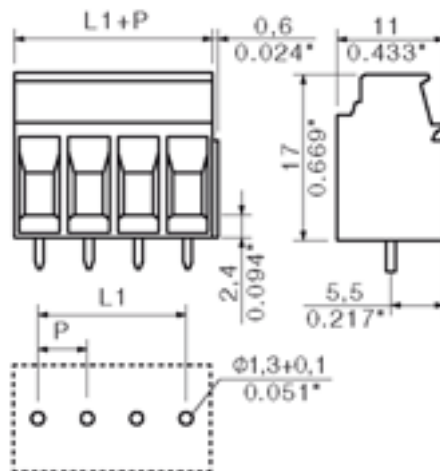
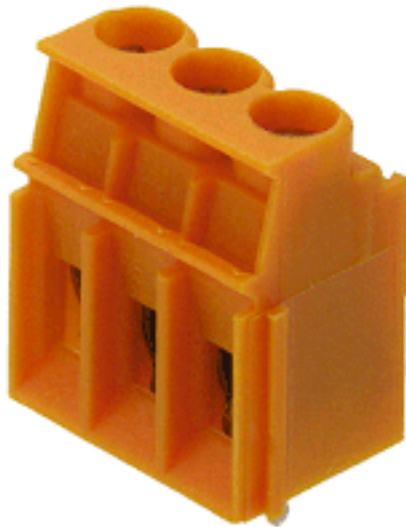




#### General ordering data

|                  |                                                                                                                                                        |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1594360000                                                                                                                                             |
| Part designation | LP5.08/4/90 3.2 OR                                                                                                                                     |
| Version          | PCB terminal, Clamping yoke connection,<br>Soldered connection, Clamping range, max.: 6<br>mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 4, 90°, Box |
| EAN              | 4008190101930                                                                                                                                          |
| Qty.             | 100 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                    | 4                        |
| 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                                  | 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**

|                               |                     |
|-------------------------------|---------------------|
| Insulating material           | PA                  |
| Colour                        | orange              |
| colour chart                  | Similar to RAL 2000 |
| Insulating material group     | I                   |
| Flammability class UL 94      | V-2                 |
| CTI                           | $\geq 600$          |
| 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 mm <sup>2</sup>    |
| Clamping range, max.                              | 6 mm <sup>2</sup>       |
| AWG, min.                                         | 26                      |
| AWG, max.                                         | 12                      |
| Solid, min. H05(07) V-U                           | 0.5 mm <sup>2</sup>     |
| Solid, max. H05(07) V-U                           | 6 mm <sup>2</sup>       |
| Flexible, min. H05(07) V-K                        | 0.5 mm <sup>2</sup>     |
| Flexible, max. H05(07) V-K                        | 4 mm <sup>2</sup>       |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.5 mm <sup>2</sup>     |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 2.5 mm <sup>2</sup>     |
| w. plastic collar ferrule, DIN 46228 pt 4, min.   | 0.5 mm <sup>2</sup>     |
| w. plastic collar ferrule, DIN 46228 pt 4, max.   | 2.5 mm <sup>2</sup>     |
| 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 3, 90°, Box  |
| 1724530000 | LP5.08/5/90 3.2 OR  | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 15, 90°, Box |
| 1594390000 | LP5.08/16/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 16, 90°, Box |
| 1759170000 | LP5.08/17/90 3.2 OR | PCB terminal, Clamping yoke connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , 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 mm <sup>2</sup> , Pitch: 5.08 mm, No. of poles: 24, 90°, Box |