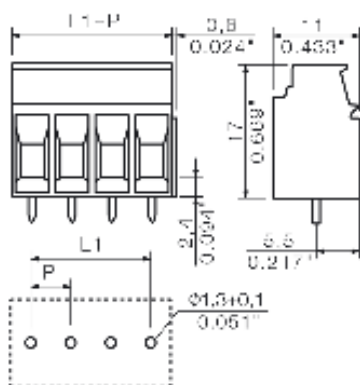




#### CSA rating data

|                                       |       |
|---------------------------------------|-------|
| AWG conductor, min. (CSA)             | 26    |
| Rated voltage, user group D           | 300 V |
| Rated (nominal) current, user group D | 10 A  |
| AWG conductor, max. (CSA)             | 12    |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated voltage for overvoltage class/pollution severity III/2                   | 250 V             |
| Rated voltage for overvoltage class/pollution severity II/2                    | 500 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV              |
| Rated current, max. No. pins (Tu=40°C)                                         | 25 A              |
| Rated current, min. No. pins (Tu=40°C)                                         | 32 A              |
| 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              |
| Short-time withstand current resistance                                        | 3 x 1s with 120 A |
| Rated current, min. No. pins (Tu=20°C)                                         | 32 A              |
| Rated current, max. No. pins (Tu=20°C)                                         | 30,5 A            |
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V             |

#### Material specification

|                               |          |
|-------------------------------|----------|
| Storage temperature, max.     | 55 °C    |
| Contact surface               | tinned   |
| Contact base material         | Cu alloy |
| Insulating material group     | I        |
| Insulation material           | PA       |
| Duration of glow-wire test    | 30 s     |
| Storage temperature, min.     | -25 °C   |
| Temperature of glow-wire test | 750 °C   |
| CTI                           | >= 600   |
| UL 94 combustibility class    | V-2      |
| Colour                        | orange   |

**System parameters**

|                          |                         |
|--------------------------|-------------------------|
| Fitted to PCB            | Soldered connection     |
| Pitch                    | 5,08 mm                 |
| Type of screwdriver      | SD 0.8 x 4.0 - DIN 5264 |
| Fitting hole tolerance   | + 0.1 mm                |
| L1 in inch               | 0,400 inch              |
| L1 in mm                 | 10,16 mm                |
| Pitch in inch            | 0,200 inch              |
| Stripping length         | 6 mm                    |
| Volume resistance        | 1,2 mΩ                  |
| Dia. of fitting hole     | 1,3 mm                  |
| Clamping screw           | M 3                     |
| Number of poles          | 3                       |
| Length of soldering post | 3,2 mm                  |

**UL 1059 rating data**

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

**Connectable conductors**

|                                                 |                         |
|-------------------------------------------------|-------------------------|
| Wire end ferrule , DIN 46 228/1, 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 |
| Clamping range, min.                            | 0,13 mm <sup>2</sup>    |
| Clamping range, max.                            | 6 mm <sup>2</sup>       |
| fine-stranded, min. H05(07) V-U                 | 0,5 mm <sup>2</sup>     |
| fine-stranded, max. H05(07) V-U                 | 4 mm <sup>2</sup>       |
| Solid, min. H05(07) V-U                         | 0,5 mm <sup>2</sup>     |
| Solid, max. H05(07) V-U                         | 6 mm <sup>2</sup>       |
| AWG, min.                                       | 26                      |
| AWG, max.                                       | 12                      |
| 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>     |
| Wire end ferrule , DIN 46 228/1, min.           | 0,5 mm <sup>2</sup>     |

**Approvals**

|                                                              |       |
|--------------------------------------------------------------|-------|
| Rated voltage for overvoltage class/pollution severity III/2 | 250 V |
| Rated voltage for overvoltage class/pollution severity II/2  | 500 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 250 V |

**Approvals**

Approvals



**Classifications**

|            |    |
|------------|----|
| ETIM 2.0   | NK |
| eClass 4.1 | NK |
| eClass 5.0 | NK |
| eClass 5.1 | NK |

**General ordering data**

|                         |                    |
|-------------------------|--------------------|
| Order No.               | 1592830000         |
| Short text for material | LP5.08/3/90 3.2 OR |
| EAN                     | 4008190054595      |

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

**Related products**

| Order No.  | Short text for material | Number of poles |
|------------|-------------------------|-----------------|
| 1592820000 | LP5.08/2/90 3.2 OR      | 2               |
| 1594360000 | LP5.08/4/90 3.2 OR      | 4               |
| 1724530000 | LP5.08/5/90 3.2 OR      | 5               |
| 1608250000 | LP5.08/6/90 3.2 OR      | 6               |
| 1759120000 | LP5.08/7/90 3.2 OR      | 7               |
| 1594370000 | LP5.08/8/90 3.2 OR      | 8               |
| 1759130000 | LP5.08/9/90 3.2 OR      | 9               |
| 1594380000 | LP5.08/10/90 3.2 OR     | 10              |
| 1760480000 | LP5.08/11/90 3.2 OR     | 11              |
| 1608270000 | LP5.08/12/90 3.2 OR     | 12              |
| 1759140000 | LP5.08/13/90 3.2 OR     | 13              |
| 1759150000 | LP5.08/14/90 3.2 OR     | 14              |
| 1759160000 | LP5.08/15/90 3.2 OR     | 15              |
| 1594390000 | LP5.08/16/90 3.2 OR     | 16              |
| 1759170000 | LP5.08/17/90 3.2 OR     | 17              |
| 1759180000 | LP5.08/18/90 3.2 OR     | 18              |
| 1844450000 | LP5.08/19/90 3.2 OR     | 19              |
| 1759190000 | LP5.08/20/90 3.2 OR     | 20              |
| 1759200000 | LP5.08/21/90 3.2 OR     | 21              |
| 1844460000 | LP5.08/22/90 3.2 OR     | 22              |
| 1844470000 | LP5.08/23/90 3.2 OR     | 23              |
| 1608290000 | LP5.08/24/90 3.2 OR     | 24              |