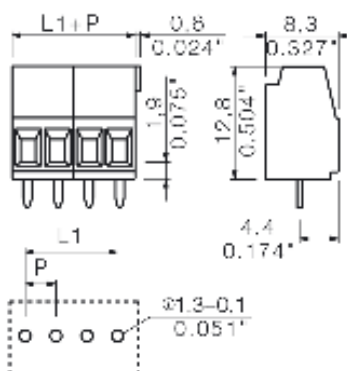




#### CSA rating data

|                                       |       |
|---------------------------------------|-------|
| AWG conductor, min. (CSA)             | 28    |
| Rated voltage, user group D           | 300 V |
| Rated (nominal) current, user group D | 10 A  |
| AWG conductor, max. (CSA)             | 14    |

#### DIN IEC rating data

|                                                                                |                  |
|--------------------------------------------------------------------------------|------------------|
| Rated voltage for overvoltage class/pollution severity III/2                   | 160 V            |
| Rated voltage for overvoltage class/pollution severity II/2                    | 320 V            |
| Short-time withstand current resistance                                        | 3 x 1s with 72 A |
| Rated current, min. No. pins (Tu=20°C)                                         | 16 A             |
| Rated current, max. No. pins (Tu=20°C)                                         | 12 A             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2,5 kV           |
| Rated current, max. No. pins (Tu=40°C)                                         | 10 A             |
| Rated current, min. No. pins (Tu=40°C)                                         | 14 A             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 2,5 kV           |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2,5 kV           |
| Rated voltage for overvoltage class/pollution severity III/3                   | 160 V            |

#### Material specification

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

**System parameters**

|                                           |                          |
|-------------------------------------------|--------------------------|
| Clamping screw                            | M 2                      |
| Fitted by customer                        | yes                      |
| Max. adjacent poles per row               | 24                       |
| Fitted to PCB                             | Soldered connection      |
| Pitch                                     | 3,50 mm                  |
| Type of screwdriver                       | SDI 0.4 x 2.5 - DIN 5264 |
| Fitting hole tolerance                    | + 0.1 mm                 |
| L1 in inch                                | 0,276 inch               |
| L1 in mm                                  | 7,00 mm                  |
| Pitch in inch                             | 0,138 inch               |
| Stripping length                          | 5 mm                     |
| No. of rows                               | 1                        |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch   |
| Volume resistance                         | 3,6 mΩ                   |
| Dia. of fitting hole                      | 1,3 mm                   |
| Number of poles                           | 3                        |
| Length of soldering post                  | 3,2 mm                   |

**UL 1059 rating data**

|                               |       |
|-------------------------------|-------|
| AWG conductor, min. (UL 1059) | 28    |
| Rated current (UL 1059)       | 10 A  |
| Rated voltage, user group D   | 300 V |
| AWG conductor, max. (UL 1059) | 14    |

**Connectable conductors**

|                                                 |                      |
|-------------------------------------------------|----------------------|
| AWG, max.                                       | 14                   |
| O.D. of conductor insulation, max.              | 2,9 mm               |
| Clamping range, max.                            | 2,08 mm <sup>2</sup> |
| fine-stranded, min. H05(07) V-U                 | 0,5 mm <sup>2</sup>  |
| fine-stranded, max. H05(07) V-U                 | 1,5 mm <sup>2</sup>  |
| Solid, min. H05(07) V-U                         | 0,5 mm <sup>2</sup>  |
| Solid, max. H05(07) V-U                         | 1,5 mm <sup>2</sup>  |
| AWG, min.                                       | 28                   |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0,5 mm <sup>2</sup>  |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 0,75 mm <sup>2</sup> |
| Gauge to EN 60999 a x b; ø                      | 2.4 mm x 1.5 mm;     |
| Clamping range, min.                            | 0,08 mm <sup>2</sup> |

**Approvals**

|                                                              |       |
|--------------------------------------------------------------|-------|
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated voltage for overvoltage class/pollution severity II/2  | 320 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 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.               | 1667770000        |
| Short text for material | LM3.5/3/90 3.2 OR |
| EAN                     | 4008190903763     |

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- 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 |
|------------|-------------------------|-----------------|
| 1667750000 | LM3.5/2/90 3.2 OR       | 2               |
| 1845040000 | LM3.5/4/90 3.2 OR       | 4               |
| 1720250000 | LM3.5/5/90 3.2 OR       | 5               |
| 1845050000 | LM3.5/6/90 3.2 OR       | 6               |
| 1845060000 | LM3.5/7/90 3.2 OR       | 7               |
| 1845070000 | LM3.5/8/90 3.2 OR       | 8               |
| 1845080000 | LM3.5/9/90 3.2 OR       | 9               |
| 1845090000 | LM3.5/10/90 3.2 OR      | 10              |
| 1845100000 | LM3.5/11/90 3.2 OR      | 11              |
| 1845110000 | LM3.5/12/90 3.2 OR      | 12              |