



#### General ordering data

|                  |                                                                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1754480000                                                                                                                                                 |
| Part designation | SLZF 7.62/5 SN OR                                                                                                                                          |
| Version          | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 5, 180°, Box |
| EAN              | 4032248149483                                                                                                                                              |
| Qty.             | 50 pc(s).                                                                                                                                                  |

#### System parameters

|                                           |                                                  |
|-------------------------------------------|--------------------------------------------------|
| Conductor connection system               | Tension clamp connection                         |
| Outgoing direction of conductor           | 180°                                             |
| Pitch                                     | 7.62 mm                                          |
| Pitch in inch                             | 0.3 inch                                         |
| No. of poles                              | 5                                                |
| No. of rows                               | 1                                                |
| Screwdriver blade                         | 0.6 x 3.5                                        |
| Screwdriver blade standard                | DIN 5264-A                                       |
| Stripping length                          | 7 mm                                             |
| L1 in mm                                  | 30.48 mm                                         |
| L1 in inch                                | 1.2 inch                                         |
| Electric shock protection to DIN VDE 0470 | IP20 plugged/ IP10 unplugged                     |
| Electric shock protection to DIN VDE 0470 | Finger-safe plugged/ back-of-hand-safe unplugged |

## System parameters

### Material data

|                           |                     |
|---------------------------|---------------------|
| Insulating material       | PBT                 |
| Colour                    | orange              |
| colour chart              | Similar to RAL 2000 |
| Insulating material group | I                   |
| Flammability class UL 94  | V-0                 |
| CTI                       | >= 600              |
| Contact base material     | E-Cu                |
| Contact surface           | tinned              |

### Connectable conductors

|                                                   |                        |
|---------------------------------------------------|------------------------|
| Clamping range, min.                              | 0.14 mm <sup>2</sup>   |
| Clamping range, max.                              | 38,840 mm <sup>2</sup> |
| AWG, min.                                         | 26                     |
| AWG, max.                                         | 14                     |
| Solid, min. H05(07) V-U                           | 0.2 mm <sup>2</sup>    |
| Solid, max. H05(07) V-U                           | 2.5 mm <sup>2</sup>    |
| Flexible, min. H05(07) V-K                        | 0.2 mm <sup>2</sup>    |
| Flexible, max. H05(07) V-K                        | 2.5 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. | 1.5 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.   | 1.5 mm <sup>2</sup>    |
| Gauge to EN 60999 a x b; ø                        | 2.4 mm x 1.5 mm;       |

### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 24 A              |
| Rated current, max. No. pins (Tu=20°C)                                         | 24 A              |
| Rated current, min. No. pins (Tu=40°C)                                         | 20 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 20 A              |
| Rated voltage for overvoltage class/pollution severity II/2                    | 800 V             |
| Rated voltage for overvoltage class/pollution severity III/2                   | 630 V             |
| Rated voltage for overvoltage class/pollution severity III/3                   | 500 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 6 kV              |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 6 kV              |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 6 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. | 14    |

#### 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.         | 14    |

#### Approvals

Approvals institutes



#### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | NK          |
| ETIM 3.0   | EC001284    |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

#### Similar products

| Order No.  | Part designation  | Version                                                                                                                                                    |
|------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1754450000 | SLZF 7.62/2 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 2, 180°, Box |
| 1754460000 | SLZF 7.62/3 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 3, 180°, Box |
| 1754470000 | SLZF 7.62/4 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 4, 180°, Box |
| 1754490000 | SLZF 7.62/6 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 6, 180°, Box |
| 1754500000 | SLZF 7.62/7 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 7, 180°, Box |

|            |                    |                                                                                                                                                             |
|------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1754510000 | SLZF 7.62/8 SN OR  | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 8, 180°, Box  |
| 1754520000 | SLZF 7.62/9 SN OR  | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 9, 180°, Box  |
| 1754530000 | SLZF 7.62/10 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 10, 180°, Box |
| 1754540000 | SLZF 7.62/11 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 11, 180°, Box |
| 1754550000 | SLZF 7.62/12 SN OR | PCB plug-in connector, Male connectors, Tension clamp connection, Clamping range, max.: 38840 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 12, 180°, Box |