



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1786090000  |
| Part designation | TOP4GS11/90 6.35 OR   |
| Version          | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 11, 90°, Box |
| EAN              | 4032248200726   |
| Qty.             | 50 pc(s).   |

#### System parameters

|                                 |                     |
|---------------------------------|---------------------|
| Product family                  | System TOP4GS       |
| Conductor connection system     | TOP connection      |
| Fitted to PCB                   | Soldered connection |
| Outgoing direction of conductor | 90°                 |
| Pitch                           | 6.35 mm             |
| Pitch in inch                   | 0.25 inch           |
| No. of poles                    | 11                  |
| Fitted by customer              | no                  |
| No. of rows                     | 1                   |
| Solder pin length               | 3.5 mm              |
| Dia. of fitting hole            | 1.3 mm              |
| Fitting hole tolerance          | + 0.1 mm            |
| No. of solder pins per pole     | 2                   |
| Screwdriver blade               | 0.6 x 3.5           |
| Tightening torque, min.         | 0.5 Nm              |
| Tightening torque, max.         | 0.6 Nm              |
| Clamping screw                  | M 3                 |
| Stripping length                | 13 mm               |
| L1 in mm                        | 63.5 mm             |
| L1 in inch                      | 2.5 inch            |

#### Material data

|                     |                     |
|---------------------|---------------------|
| Insulating material | PA                  |
| Colour              | orange              |
| colour chart        | Similar to RAL 2000 |

#### Material data

|                           |        |
|---------------------------|--------|
| Insulating material group | I      |
| Flammability class UL 94  | V-2    |
| CTI                       | >= 600 |
| Contact base material     | E-Cu   |
| 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.   | 10                   |
| 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. | 4 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.   | 4 mm <sup>2</sup>    |
| Gauge to EN 60999 a x b; ø                        | 2.8 mm x 2.4 mm;     |

#### DIN IEC rating data

|  |        |
|--|--------|
| Rated current, min. No. pins (Tu=20°C)   | 32 A   |
| Rated current, min. No. pins (Tu=40°C)   | 32 A   |
| Rated voltage for overvoltage class/pollution severity II/2                    | 320 V  |
| Rated voltage for overvoltage class/pollution severity III/2                   | 320 V  |
| Rated voltage for overvoltage class/pollution severity III/3                   | 320 V  |
| 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 impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 kV |

#### 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. | 10    |

#### 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.         | 10    |

### Approvals

Approvals institutes



### Downloads

CAD Library (P-CAD Format - Standard) TOP 4GS.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   |
|------------|---------------------|---|
| 1401760000 | TOP4GS2/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 2, 90°, Box  |
| 1650300000 | TOP4GS3/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 3, 90°, Box  |
| 1786030000 | TOP4GS4/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 4, 90°, Box  |
| 1786040000 | TOP4GS5/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 5, 90°, Box  |
| 1786050000 | TOP4GS6/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 6, 90°, Box  |
| 1786060000 | TOP4GS7/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 7, 90°, Box  |
| 1667910000 | TOP4GS8/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 8, 90°, Box  |
| 1786070000 | TOP4GS9/90 6.35 OR  | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 9, 90°, Box  |
| 1786080000 | TOP4GS10/90 6.35 OR | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 10, 90°, Box |
| 1786100000 | TOP4GS12/90 6.35 OR | PCB terminal, TOP connection, Soldered connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 6.35 mm, No. of poles: 12, 90°, Box |