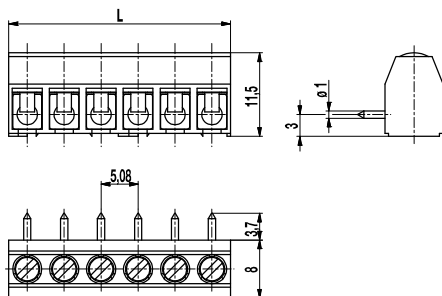
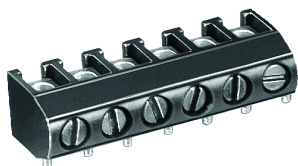


PCB connector

941(-DS)

Screw connection, wire entrance vertical to PCB



The PCB connector 941 is the horizontal version of 940 with a pitch of 5,08 mm and available in 2- to 32-pole design. It can be mounted side-by-side without pole loss.

The wire entrance is vertical to the PCB.

Wire protection in DS-design reliably prevents damage to stranded wires by the screw.

The screws are secured against self-loosening.

Part Numbers

| No. of poles | 941 | 941-DS | Length | Pcs |
|--------------|------------|------------|--------|-----|
| 2 | 10.877.102 | 20.877.102 | 10,16 | 250 |
| 3 | 10.877.103 | 20.877.103 | 15,24 | 250 |
| 4 | 10.877.104 | 20.877.104 | 20,32 | 200 |
| 5 | 10.877.105 | 20.877.105 | 25,40 | 100 |
| 6 | 10.877.106 | 20.877.106 | 30,48 | 100 |
| 7 | 10.877.107 | 20.877.107 | 35,56 | 100 |
| 8 | 10.877.108 | 20.877.108 | 40,64 | 100 |
| 9 | 10.877.109 | 20.877.109 | 45,72 | 100 |
| 10 | 10.877.110 | 20.877.110 | 50,80 | 100 |
| 11 | 10.877.111 | 20.877.111 | 55,88 | 100 |
| 12 | 10.877.112 | 20.877.112 | 60,96 | 100 |
| 13 | 10.877.113 | 20.877.113 | 66,04 | 100 |
| 14 | 10.877.114 | 20.877.114 | 71,12 | 100 |
| 15 | 10.877.115 | 20.877.115 | 76,20 | 100 |
| 16 | 10.877.116 | 20.877.116 | 81,28 | 100 |
| 17 | 10.877.117 | 20.877.117 | 86,36 | 100 |
| 18 | 10.877.118 | 20.877.118 | 91,44 | 100 |
| 19 | 10.877.119 | 20.877.119 | 96,52 | 100 |
| 20 | 10.877.120 | 20.877.120 | 101,60 | 100 |
| 21 | 10.877.121 | 20.877.121 | 106,68 | 100 |
| 22 | 10.877.122 | 20.877.122 | 111,76 | 100 |
| 23 | 10.877.123 | 20.877.123 | 116,84 | 100 |
| 24 | 10.877.124 | 20.877.124 | 121,92 | 100 |

further number of poles on request

General Information

| | |
|--------------|---------|
| Pitch | 5,08 mm |
| No. of poles | 2 - 32 |

Technical Data

| | | | |
|-------------------------------|--|--------|---------------|
| Clamping Range | <i>solid / flexible / AWG</i> | | |
| <i>without wire protector</i> | 0,75 - 4 mm ² / 0,75 - 2,5 mm ² / 18 - 12 AWG | | |
| <i>with wire protector</i> | 0,34 - 2,5 mm ² / 0,34 - 2,5 mm ² / 22 - 14 AWG | | |
| Rated Cross Section | 1,5 mm ² | | |
| Wire Stripping Length | 5 mm ± 0,5 mm | | |
| Overvoltage Category | III | III | II |
| Pollution Severity Level | 3 | 2 | 2 |
| Rated Voltage | 160 V | 160 V | 320 V (250 V) |
| Rated Impulse Voltage | 2,5 kV | 2,5 kV | 2,5 kV |
| Rated Insulation Voltage | 130 V acc. to EN 60998-1 | | |
| Rated Current | 17,5 A | | |
| Hole in PCB | ø 1,3 mm | | |
| Torque | 0,4 Nm | | |
| Other specifications | Voltage data in brackets are valid for 9-32 poles types. 2-8 poles types: "no-flame" acc. to glow-wire test. | | |

Material

| | |
|----------------------------|---|
| Moulding | PA, grey, V-0 |
| Comparative Tracking Index | 2-8 poles: CTI ≥ 600; 9-32 poles: CTI 250 |
| Insulating Group | 2-8 poles: I; 9-32 poles: IIIa |
| Temperature Range | -40°C up to 100°C |
| Terminal body | Tin plated brass |
| Screw | M2,6; zinc plated steel, blue passivated |
| Solder pin | ø 1 mm; tin plated brass |
| Wire protector | Tin plated tin bronze |

Approvals

| | Current | Voltage | Group | AWG | Nm |
|--|---------|---------|-----------------|---------|-----|
| | 15 | 300 | B | 26 - 14 | 0,4 |
| | 15 | 300 | B | 26 - 14 | 0,4 |
| | Current | Voltage | mm ² | | |
| | 17,5 | 250 | 1,5 | | |

Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,08