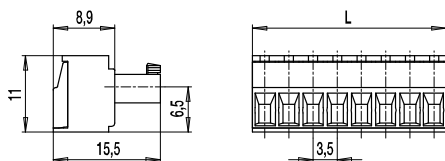


PCB Plug Connector System Series 110

110-A-111

Screw connection, elevator style



The PCB plug connectors of the series of 110 offer remarkable connection data (1.5 mm² / 160 V-III-3 / 8 A) for their small dimensions. The plug connectors are provided with screw terminals working on the lift principle, which ensures a high pressure fitting and a reliable wire protection even after countless disconnections. The compact housings in 3.5 mm centre - to - centre spacing are available in pole lengths from 2 to 24. They are available in different designs with perpendicular, parallel or diagonal plug direction to the printed circuit board. Versions with connecting flanges extend the range of applications additionally. The contact strips are provided with a coding feature according to standard, which can be cut off if necessary.

Part Numbers

| No. of poles | 110-A-111 | Length | Pcs |
|--------------|------------|--------|-----|
| 2 | 10.840.002 | 7,00 | 200 |
| 3 | 10.840.003 | 10,50 | 200 |
| 4 | 10.840.004 | 14,00 | 100 |
| 5 | 10.840.005 | 17,50 | 100 |
| 6 | 10.840.006 | 21,00 | 100 |
| 7 | 10.840.007 | 24,50 | 50 |
| 8 | 10.840.008 | 28,00 | 50 |
| 9 | 10.840.009 | 31,50 | 50 |
| 10 | 10.840.010 | 35,00 | 50 |
| 11 | 10.840.011 | 38,50 | 50 |
| 12 | 10.840.012 | 42,00 | 50 |
| 13 | 10.840.013 | 45,50 | 50 |
| 14 | 10.840.014 | 49,00 | 50 |
| 15 | 10.840.015 | 52,50 | 50 |
| 16 | 10.840.016 | 56,00 | 50 |
| 17 | 10.840.017 | 59,50 | 50 |
| 18 | 10.840.018 | 63,00 | 50 |
| 19 | 10.840.019 | 66,50 | 50 |
| 20 | 10.840.020 | 70,00 | 50 |
| 21 | 10.840.021 | 73,50 | 50 |
| 22 | 10.840.022 | 77,00 | 50 |
| 23 | 10.840.023 | 80,50 | 50 |
| 24 | 10.840.024 | 84,00 | 50 |

| General Information | |
|--------------------------|-------------------------------------|
| Centre to centre spacing | 3,5 mm |
| No. of poles | 2 - 24 |
| Usable with | all pin strips series 110 |
| Accessories | Self-adhesive marking strip BST-3,5 |

| Technical Data | |
|--------------------------|--|
| Clamping Range | <i>solid / flexible / AWG</i> 0,14 - 1,5 mm ² / 0,14 - 1,5 mm ² / 28 - 16 AWG |
| Rated Cross Section | 1,5 mm ² |
| Wire Stripping Length | 6,5 mm ± 0,5 mm |
| Overvoltage Category | III III II |
| Pollution Severity Level | 3 2 2 |
| Rated Voltage | 160 V 160 V 320 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 | 8 A |
| Torque | 0,2 Nm |

| Material | |
|----------------------------|-----------------------|
| Moulding | PA, grey, V-0 |
| Comparative Tracking Index | CTI ≥ 600 |
| Insulating Group | I |
| Temperature Range | -40°C up to 100°C |
| Terminal Body | Nickel plated brass |
| Pressure clamp | Tin plated bronze |
| Screw | M2, tin plated bronze |
| Spring | Tin plated bronze |

| Approvals | | | | | |
|-----------|---------|---------|-------|---------|-----|
| | Current | Voltage | Group | AWG | Nm |
| | 8 | 300 | B, D | 30 - 16 | 0,2 |
| | 8 | 300 | B | 30 - 16 | 0,2 |
| | | | | | |

- ### Options / Accessories
- Consecutive numbering
 - Special marking accord. drawing
 - Self-adhesive marking strip
 - Center-to-center spacing 7 mm for larger clearance and creepage distances
 - Strain relief