



## Plug-in Screw Connector System for Printed Circuit Boards

### TYPE 950-NLFL-DS

5 mm spacing - 2 to 12 poles



Distributor Stock Check



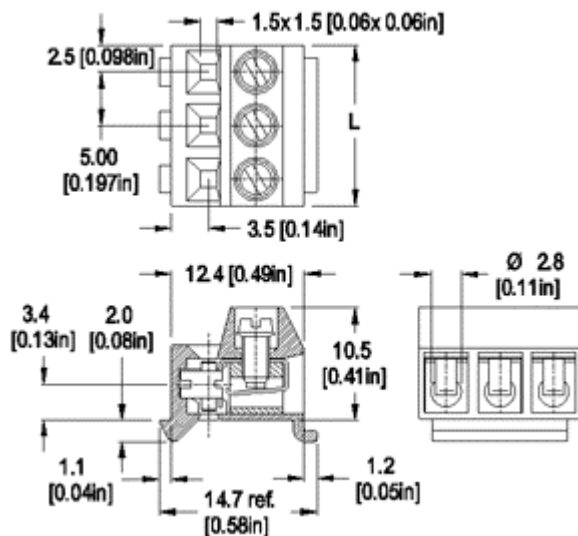
950-NLFL-DS



One possible variation of assembly



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

When locating connector, allow 0.5 mm clearance around it for process-induced variations.

### Approval Information

UL File No.E69841



CSA File No.LR24322



### Description

This two piece connector was designed for the HVAC industry, and allows external wiring to be connected to type 950-NLFL-DS which is mounted to a slot in the base plate by means of a locking foot. The cover

| Rating | Current(A) | Voltage(V) | Application group | AWG   |
|--------|------------|------------|-------------------|-------|
| UL     | 10         | 300        | B                 | 26-14 |
| CSA    | 10         | 300        | B,D,E             | 26-14 |

the base plate by means of a locking foot. The cover is equipped with type 971-SLK pinstrip which is soldered to a printed circuit board. Contact is made when the cover and base plate are assembled.

- Plug
- Plug-In Direction Perpendicular to PCB and Wire Entrance Parallel to PCB when plugged with 971-SLK /-SLS /-SLW, 971-SLK-SMD, 971-SLK-THR, 971-SLK-CPL, 971-SLT-SMD
- With locking foot.
- This product can be assembled to the baseplate maintaining 5 mm center-to-center spacing. Thus any number of poles can end-to-end stack.

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### Technical Data

**Center to Center Spacing:** 5 mm (0.197 in.)

**Nominal Cross Section:**

1.5 mm<sup>2</sup> (2325 mils<sup>2</sup>)

**Wire Stripping Length:** 6 mm (0.25 in.)

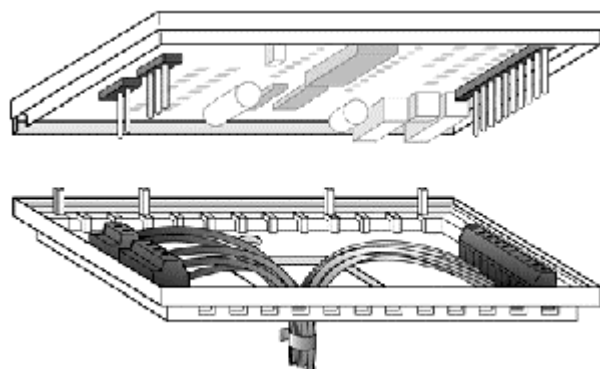
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### Application

For information and instructions on the design of the footprint and cutouts for the base design please contact WECO. For the design of the interaction between the PCB mounted pinstrip, the cover and the baseplate mounted plug please contact WECO.

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### Illustration



### Screw Tightening Torque:

UL: 3.5 lbf·in

CSA: 0.4 Nm

**Rated Impulse Withstand Voltage:** 2500 V

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### Material

**Molding:** Polyamide, self extinguishing UL 94, V-0, color black

**Temperature limits:**

**Short Time:** 140°C (284°F)

**Continuous:** RTI 105°C (221°F)

**Low Limit:** -40°C (-40°F)

**Comparative Tracking Index:** CTI > 600

**Oxygen Index Rating:** 32%

**Terminal Body:** Nickel plated copper alloy

**Wire Protector:** Tin plated copper alloy

**Screw:** M2.6, Slotted head, zinc plated blue passivated, steel substrate

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Item

950-NLFL-DS

**Options**

- ☐ CN: Consecutive Numbering (hot stamped numbers)
- ☐ SM: Special Marking (please provide sketch)
- ☐ G05: Gold Plating (5 micro inches)
- ☐ G30: Gold Plating (30 micro inches)
- ☐ S30: Silver Plating (30 micro inches)

**Note:** Plated component: wire protector

**Accessories**

|      |                                                      |                                 |
|------|------------------------------------------------------|---------------------------------|
|      | TERMINAL BODY:<br>chamfered: B standard: leave blank | POLES:<br>02 to 12              |
| 950- | <input type="text"/>                                 | -NLFL-DS / <input type="text"/> |