

Screw Connectors for Printed Circuit Boards

930-HFL (-DS) | 3.50 mm (0.138 in) Spacing - 3 poles

PICTURES



930-HFL-DS



930-HFL & 931-HSL

TECHNICAL INFORMATION

Description

These products were created for the broadcasting and video production industries but can be used in all applications where a small wire gauge is needed. Series 930-HFL features a handle to simplify vertical in-line insertion and removal and is designed to provide strain relief for the terminated wires.

Self-locking snap-in feature when used with the 931-HSL and 930-HSL headers.

The plug and header are designed to prevent accidental separation of the two parts.

Horizontal and vertical plug-in versions are available, both versions feature 3 poles and 3.5 mm center to center spacing.

Plug

Technical Data

Center to Center Spacing: 3.500 mm (0.138 in)

Nominal Cross Section: 0.75 mm² (1162.5 mils²)

Wire Stripping Length: 5.000 mm (0.197 in)

Bill of Materials

Molding : Polyamide, Self extinguishing UL 94, V-0

Color : Black

Temperature limits :

Short Time : 200°C (392°F)

Continuous : 105°C (221°F)

Low Limit : -40°C (-40°F)

Comparative Tracking Index : CTI ? 600 V

Oxygen Index Rating : 31 %

Terminal Body: Nickel plated copper alloy



: Nickel silver

Contact Spring: Tin plated copper alloy

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

APPROVAL INFORMATION

UL File No. E69841 | CSA File No. LR24322

Type	Current (A)	Voltage (V)	Application Group	AWG	Screw Tightening Torque
 930-HFL (-DS) 3.5 mm	6	300	B	28-18	2.0 lbfin
 930-HFL (-DS) 3.5 mm	6	300	B	28-18	0.2 lbfin

DS version is UL and CSA certified for 28-20 AWG.

International Approval Information

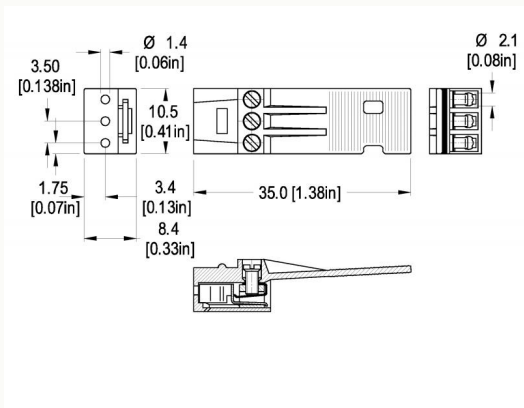
Rated Impulse Withstand Voltage : 2500 V

PLUGGING PARTS

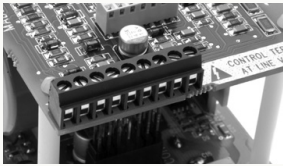
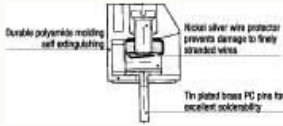
Plug-In Direction and Wire Entrance Parallel to PCB

Plug-In Direction and Wire Entrance Perpendicular to PCB

TECHNICAL DRAWING



Description :

SECTION A - SERIES 93**Terminal Blocks for Printed Circuit Boards**

Series 93 screw connectors for printed circuit boards are some of the smallest available in the marketplace. Their space-saving design is based on a center-to-center spacing of 3.5 mm (0.138 in.). They are available both in solid versions from 2 to 24 positions as well as in 2 and 3 position dovetail (-T) blocks which can be clipped together quickly to provide the designer with the needed number of positions while maintaining center-to-center pin-spacing. Another advantage of the dovetail system is that both inventory and delivery times can be kept to a minimum. This series is end-to-end stackable while maintaining the 3.5 mm spacing.

We strongly recommend the optional wire protectors (-DS designation) to prevent damage to stranded wiring from the clamping screw mechanism. Solid wiring does not require wire protectors this makes insertion of larger wires easier in field wiring applications.

Type 938 has a rectangular wire entry design which can allow the use of a larger wire than type 930 the 938 can provide easier wire insertion.

Each product has a "How To Order" area as well as a complete listing of UL and CSA approval specifications, available options and accessories.