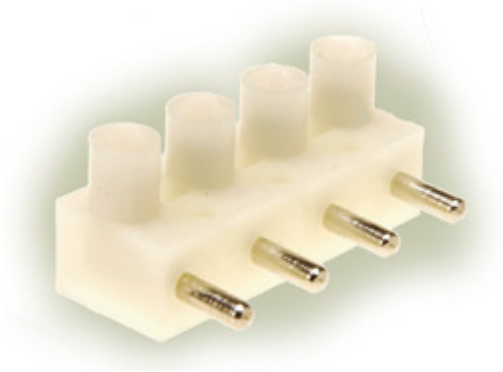
Depluggable Terminal Strips for Panel / Chassis Mounting

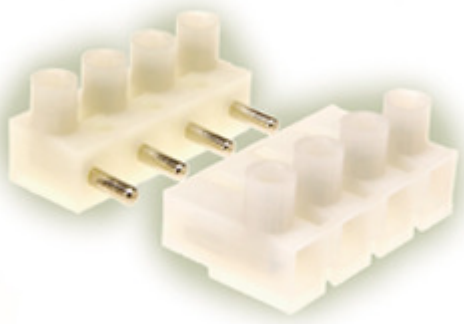
TYPE 321-S (-DS)

10 mm spacing - 1 to 12 poles

Distributor Stock Check

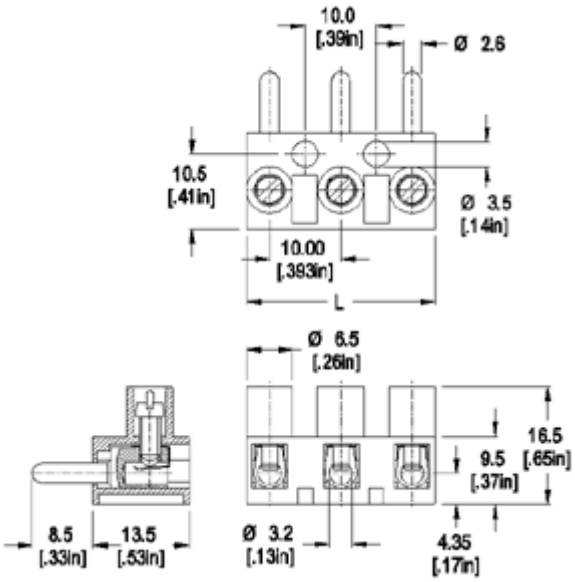


321-S (-DS)



One assembly

RoHS WEEE Pb free surface compliant



Dimensions: mm (in.)

Length of Connector (L)
L = No. of Poles x Center to Center Spacing - 3.5 mm

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

Description

- Plug
- Plug-in direction parallel with wire entry direction when plugged with 321-B (-DS)
- Recommended mounting hardware: M3.5 pan head screw (#6-32 pan head screw) or similar sized sheet metal screw, self-tapping screw or rivet.

Technical Data

Center to Center Spacing: 10 mm (0.394 in.)
Nominal Cross Section:
2.5 mm^2 (3874 $mils^2$)
Wire Stripping Length: 6 mm (0.25 in.)

Application

Approval Information

UL File No.E69841
CSA File No.LR24322

Rating	Current(A)	Voltage(V)	Application group	AWG
UL	20	300	B,D,E	18-12
CSA	15	300	B	26-10
CSA	10	300	D,E	26-10

* Version DS is CSA certified for 26-12 AWG.

Screw Tightening Torque:
UL: 4.5 lfbin
CSA: 0.51 Nm

Material

Molding: Polyamide, self extinguishing to UL 94, V-2, color off-white
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: 25%

Whether panel, chassis, printed circuit or wire harness mounted, the 300 series terminal blocks are robust and versatile assets to complement your wiring needs. Male or female plugs can be on the wire harness or they can be on the panel, chassis or PCB. Male and female components can be adjusted for "connect ground first" type configurations where one of the components male or female is extended forward more than the other poles. Configurations with both male and female components can be designed to mate their appropriate counterparts. Plug in directions and wire entries can be oriented almost anyway possible with respect to the mounting surface. Insertion and extraction forces can be optimized for ease of use or for robustness to vibrations by utilizing different available models and sizes. All are designed to assure good stable electrical conductivity, good heat dissipation and repeated cycles of use. They can be specially marked to your specifications. The screw tightened connections result in high contact forces thus promoting safe wire secureness and retention, low electrical resistance and safe reusable connections. All wire retention screws are captive in their towers and they cannot fall out during transportation, installation and use. Wire protectors are available to protect small gauge stranded wires from screw damage.

Terminal Body: Tin plated copper alloy
Wire Protector: Tin plated copper alloy
Screw: M3, Yellow chromate passivated, zinc plated, steel

Item **321-S (-DS)**

Options

- ☐ CN: Consecutive Numbering (hot stamped numbers)
- ☐ SM: Special Marking (please provide sketch)
- ☐ BS: Copper Alloy Screw
- ☐ PS: Clear Chromate Passivated, zinc plated, Steel Screws
- ☐ G05: Gold Plating (5 micro inches)
- ☐ G30: Gold Plating (30 micro inches)
- ☐ S30: Silver Plating (30 micro inches)

Note: Plated component: terminal body

Ordering Note: Series 300-S Terminal Strips can be supplied in other colors. Male plugs may be supplied with a longer pin to engage ground first and disengage ground last. Please consult factory.

Accessories

	WIRE PROTECTOR: with: - DS		POLES: 01 to 12
321-S		/	