

Connectors & Tools



Specifications: 88601 & 88631 Connectors

General: The T-Bar Series 8601 connectors have been specifically designed for use with T-Bar [switches](#) and [relays](#). The connector contacts are crimp type which are snapped into a plastic insulator block. After installation, connectors are held in place against shock and vibration by use of a retaining clip.

Mechanical Specifications:

Wire Accommodated:

(1) AWG 18, 20, 22, 24, 26

Or PER MIL-W-16878D with max. diameter over insulation of .074

(2) AWG 22, 24, 26

Connector Material:

Phosphor Bronze Grade A 2.4

Snap-in Contact Finish:

Gold Plated snap-in contacts (MIL-G-45204 Class 4)

Retaining Clip Material:

Stainless Steel type 303

Weight:

0.3 oz.

Durability:

500 cycles of insertion & withdrawal min.

Snap-in Contact Retention:

Each contact will withstand an axial pull of 10 lbs.

After insertion into the connector block

Insertion and Withdrawal Force:

After 10 cycles of insertion and withdrawal:

2 to 12 oz. for each contact.

Labels:

Permanent pressure sensitive.



Electrical Specifications:

Insulation Resistance:

100,000 megohms min. between any contact combination @ 30°C tested at 500 VDC

Dielectric Withstanding Voltage:

1000 VRMS min. contact to contact
at sea level.

Current Carrying Capacity: 5 amps

Contact Resistance: 5 milliohms maximum

Environmental Specifications:

Temperature: -55°C to + 85°C.

Vibration:

.06 double amplitude 10 to 500 CPS

Shock: 50 G

Recommended Tools:

Snap-in Contact Crimping Tools:

Hand Ratchet Tool: P/N 8601-51

Connector Ordering Information:

Complete Connector Package P/N	Used for Switch-Relay Model No.	Each Package consist of
88601	All 801 & 901 Relays	1 Connector Block-8601 20 Contacts 8601-1
ADD—2 for Carton of 100	All 802, 902 & 803 Switches	1 Label (1-6) 8601-006-1 1 Label (7-12) 8601-006-2 1 Retaining Clip 8601-2
88631 Add—2 for Carton of 100	All 831 & 931 Relays All 832 & 932 Switches	1 Connector Block—8601 20 Contacts 8601-1 1 Label (1-6) 8601-006-1 1 Label (7-12) 8601-006-2 1 Retaining Clip 8601-22-1