



# Scotchlok™

## Insulation Displacement Electrical Tap Connector 801

### Data Sheet



#### Application

Use Scotchlok™ Tap Connector 801 to electrically connect a (tap) wire end to a through (run) wire, join parallel run wires, and insulate the connection.

#### Wire Range

18 -16 AWG (0,75-1,0mm<sup>2</sup>) solid or stranded, 14 AWG (1,5mm<sup>2</sup>) solid or stranded, tinned or untinned copper conductors. For use with thermoplastic insulated wires such as: T, TW, TFF, TFN, TFFN, AWN, TEW, SAE-GPT, with a maximum insulation diameter of .145 inches (3,5 mm).

Maximum recommended current for general purpose applications: 18 AWG - 7 Amps, 16 AWG - 10 Amps, 14 AWG - 15 Amps

#### Construction

U-Contact - Tin plated brass, .03 in. thick (0,8 mm)

Insulator - Polypropylene

Color - blue

#### Weight

.0032 lb. (1,45 gm)

#### Recommended Installation Tools

3M™ Crimping Tool No. E-9BM

9" Linemans Pliers

#### Engineering Specification

Insulation Displacement Connector (as manufactured by 3M, part No. 801) capable of connecting a tap wire to a run wire in the range of 18-16 AWG (0,75-1,0mm<sup>2</sup>) solid or stranded, and 14 AWG (1,5mm<sup>2</sup>) stranded, tinned or untinned copper conductors. The connector shall be UL Listed for 600 Volts maximum building wire: 1000 Volts maximum, signs fixtures and luminaires, and have a maximum insulating temperature of 105°C (221°F).

#### Regulatory Agencies

**UL Listed** as a Pressure Cable Connector

Tested per UL Standard 486C

UL File No. E23438

Operating Temperature: 105°C (221°F)

Voltage Rating: 600 volts max. building wire;

1000 volts max. signs and fixtures

Flammability Rating: UL94 V-2

**CSA Certified**-CSA Standard C22.2 No. 0, 188-M1983

CSA File No. LR15503

Operating Temperature: 105°C (221°F)

Voltage Rating: 600 volts max. building wire

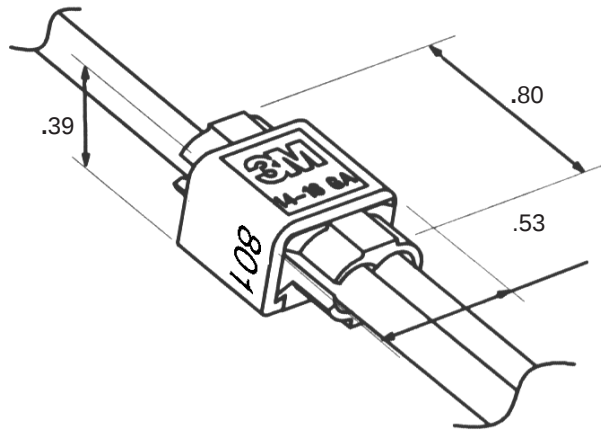
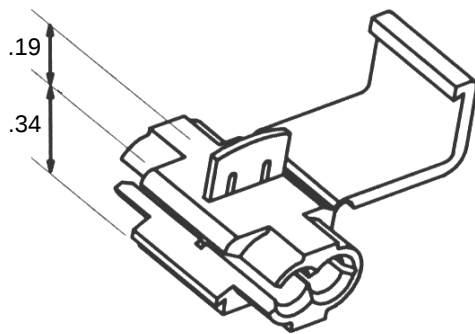
1000 volts max. signs and luminaires.

Flammability Rating: C22.2 No. 0.6 V-2

#### Federal Specification W-S-610:

"Commercial package only"

| Type | Class | Kind | Style |
|------|-------|------|-------|
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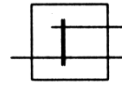


## Installation Instructions

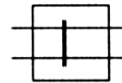
### **⚠ WARNING**

Turn power off before installing or removing terminal. All electrical work should be done according to appropriate electrical codes.

1. Place unstripped run wire inside run channel.
2. Insert unstripped tap wire completely.
3. Hold tool perpendicular to the wire and make the connection by crimping the u-contact down flush with the top of the plastic insulator.
4. Close top hinged cover until latched.



**Tap / Run Connection**



**Parallel Connection**

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### **IMPORTANT NOTICE**

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**3M**

### **Electrical Products Division**

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