# 3M<sup>™</sup> Scotchlok<sup>™</sup> Insulation Displacement Electrical Tap Connector 801

# Data Sheet

## Application

Use 3M<sup>™</sup> Scotchlok<sup>™</sup> 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 -14 AWG (0,75-1,5 mm<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 (3,7 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<sup>™</sup> Crimping Tool No. E-9BM

9" Linemans Pliers

### **Engineering Specification**

3M Scotchlok Insulation Displacement Connector (as manufactured by 3M, part No. 801) capable of connecting a tap wire to a run wire in the range of 18-14 AWG (0,75-1,5 mm<sup>2</sup>) solid or 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).

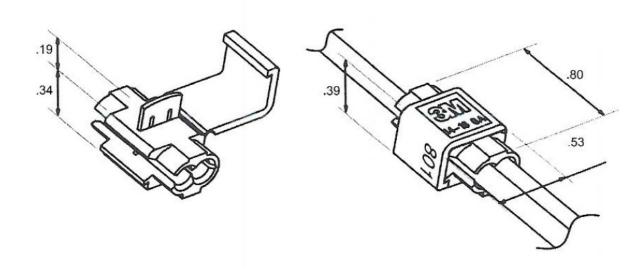
#### **Regulatory Agencies**

**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

#### Federal Specification A-A-59213 A

"Commercial package only"			
Type	Class	Kind	Style
3	1	cu	F





#### **Installation Instructions**

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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

**Shelf-Life:** Scotchlok<sup>™</sup> Insulation Displacement Electrical Tap Connector 801 has a five-year shelf life (from date of manufacture) when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and < 75% relative humidity). Good stock rotation is recommended.

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