3M™ Scotchlok™ Insulation Displacement Electrical Tap Connector 560

Data Sheet **April 2023**

Applications

Use 3M™ Scotchlok™ Tap Connector 560 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^2) 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 : Flame retardant polypropylene
Color: light blue
Weight: 0.0032LB. (1,45gm)

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. 0.17 V-2

Federal Specification A-A-59213:
"Commercial package only"

Type	Class	kind	Style
3	1	CU	F

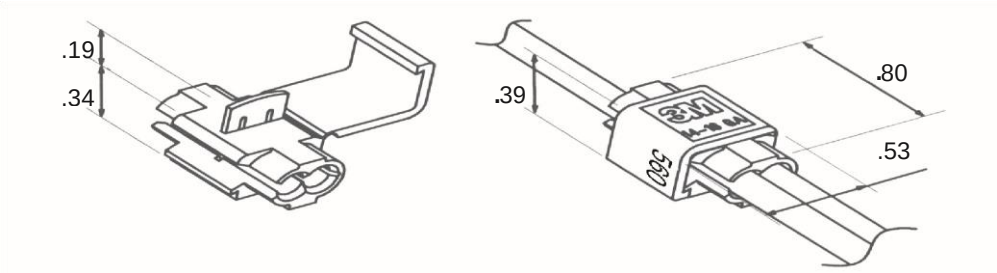
For RoHS and REACH information, please visit www.3M.com/regs

3M™ Scotchlok™ Insulation Displacement Electrical Tap Connector 560

Engineering Specification

3M Scotchlok Insulation Displacement Connector (as manufactured by 3M, part No. 560) capable of connecting a tap wire to a run wire in the range of 18-14 AWG (0,75-1,5 mm^2) solid or stranded, tinned or untinned copper conductors. The connector shall be UL Listed and CSA Certified for 600 Volts maximum building wire: 1000 Volts maximum, signs fixtures and luminaires, and have a maximum insulating temperature of 105˚C (221˚F).

Dimensions



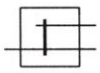
Recommended Installation Tools

9” Lineman’s Pliers

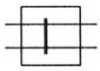
Installation Instructions

⚠ WARNING

Working around energized systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling electrical equipment. De-energize and ground all electrical systems before installing product.



Tap / Run Connection



Parallel Connection

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

Shelf-Life

3M™ Scotchlok™ Insulation Displacement Electrical Tap Connector 560 has a five-year shelf life (from date of manufacture) when stored in a humidity-controlled storage (10ºC/50ºF to 27ºC/80ºF and < 75% relative humidity). Good stock rotation is recommended.

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Electrical Markets Division
13011 McCallen Pass Bldg. C
Austin, Texas 78753
800 245 3573
FAX: 800 245 0329
www.3M.com/electrical

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