3M™ Scotchlok™ Insulation Displacement Electrical Tap Connector 560B

Data Sheet

Application
Use 3M™ Scotchlok™ Insulation Displacement Electrical Tap Connector 560B to electrically connect a (tap) wire end to a through (run) wire, join parallel run wires, and insulate the connection.

Specifications

<table>
<thead>
<tr>
<th>Spec</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature</td>
<td>221°F (105°C)</td>
</tr>
<tr>
<td>Voltage Rating</td>
<td>600 volts max. building wire</td>
</tr>
<tr>
<td></td>
<td>1000 volts max. signs and luminaires</td>
</tr>
<tr>
<td>Weight</td>
<td>.0032 lb (1,45 gm)</td>
</tr>
<tr>
<td>Construction:</td>
<td></td>
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<tr>
<td>U-Contact</td>
<td>Tin-plated brass, .03 in. thick (0,8 mm)</td>
</tr>
<tr>
<td>Insulator</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
</tr>
<tr>
<td>UL 94-V-2</td>
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Agency Approvals, Self Certifications, MIL Specs

- UL Listed as a Pressure Cable Connector, Tested per UL Standard 486C, UL File No. E23438

NOTE: UL Listed for AWG Only

- Federal Specification W-S610: “Commercial package only”

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<tr>
<th>Type</th>
<th>Class</th>
<th>Kind</th>
<th>Style</th>
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Wire Range

18-16 AWG (0,75-1,0 mm²) solid or stranded, 14 AWG (1,5 mm²) stranded, tinned or untinned copper conductors. For use with thermoplastic insulated wires such as; T, TW, TFF, 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.

Engineering / Architectural Specifications

3M™ Scotchlok™ Insulation Displacement Electrical Tap Connector 560B is capable of connecting a tap wire to a run wire in the range of 18-16 AWG (0,75-1,00 mm²) solid or stranded, and 14 AWG (1,5 mm²) stranded, tinned or untinned copper conductors.
Installation Techniques

Tap/Run Connection

Parallel Connection

Recommended Installation Tools:
3M™ Scotchlok™ Crimping Tool No. E-9BM or 9" Lineman’s Pliers

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.

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

Shelf Life & Storage
This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (50°F/10°C to 80°F/27°C and <75% relative humidity).

Availability
Please contact your local distributor; available from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.

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Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical