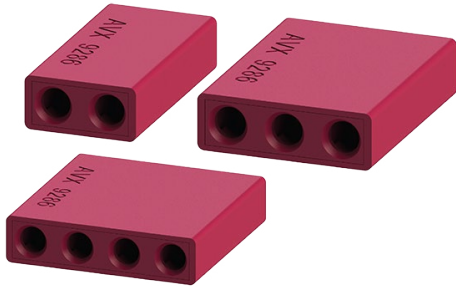


REDUCED JUNCTION BOX CONNECTORS 18-24 AWG: 9286-250



General Information



Wire-to-Wire (WTW) connectors have been used in the industrial market for years alongside traditional two-piece (plug and socket) connector systems. These systems require crimp-and-poke wire terminations to connect discrete wires. While they provide repeated pluggability and latching, they are often too large and expensive for applications where the wires may only need to be replaced once or twice.

The 9286-250 series of reduced-size junction connectors builds on the proven 9286 poke-home discrete WTW connector family, offering a smaller package size. Junction box connectors electrically connect each inserted wire, similar to a branch or splitter application, but with multiple outputs. The development of an active stainless steel spring contact eliminates the need for push-button activation to insert and remove wires, offering significant cost savings. The mechanical properties of this contact provide maximum wire retention across a broad range of solid and stranded wire gauges, making this connector highly versatile for field installations.

APPLICATIONS

- Industrial Machine Controls; motors, drives, solenoids, sensors, fans, pumps, etc...
- Commercial Buildings; controls, security, fire and sensors
- Smart Grid; meters, breakers and panels
- SSL/LED; fixtures, signage and streetlights
- Application Notes: Refer to 201-01-172
- Product Specification: Refer to 201-01-171

FEATURES AND BENEFITS

- Simple strip and poke-home wire insertion with twist and pull wire extraction
- High spring force stainless steel contact maximizes cost, strength and flexibility
- Accepts 18-24 AWG solid and stranded wires
- Expanded size offering to allow up to 8 wires to be connected together
- UL approved

ELECTRICAL

- Current Rating: See matrix below
- Voltage Rating: 300 VAC (RMS) or DC equivalent

ENVIRONMENTAL

- Operating Temperature: -40°C to +130°C
- Storage Temperature: -40°C to +80°C

MECHANICAL

- Insulator Material; Glass-Filled Nylon 46; UL94V0
- Fixed Contact Material; Copper Alloy
- Flexing Contact; Stainless Steel
- Fixed Contact Plating; Tin over Nickel
- Durability; 5 Cycles

HOW TO ORDER

00 **9286** **00X** **253** **X** **X** **06**
 Prefix Series Number of Ways Wire Size Insulator Color Internal Wire Stop Plating Option

Code	No of Ways	DIM. A
004	4	8.0/8.5
006	6	12.0/12.5
008	8	16.0/16.5

Code	Accepted Wire Gauge	Max Insulation
253	18 – 24 AWG Solid or Stranded	2.10mm Diameter

Insulator Color: Standard 9 = UL Red, Special Order Only 0 = UL Black, 2 = UL Brown, 3 = UL Blue, 4 = UL Yellow, 6 = UL Green, 7 = UL Orange

Code	Contact Style
0	No wire stop
1	With wire stop

Plating Option: 06 = Tin All Over



SALES DRAWINGS
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CURRENT RATING

Wire gauge	Maximum approved current (Amps)	
	UL (USA)	UL (Canada)
18 AWG	8	7
20 AWG	8	7
22 AWG	6	6
24 AWG	4	4



Safety Standards: UL 1977-File #E90723, CSA C22.2 NO. 182.3