

## Rack and Panel Connectors Side Mount


**G20P-A**

**G20S-A**

### APPLICATIONS

Broad - limited only by those applications requiring physical, electrical and/or materials specifications exceeding those indicated.

### ELECTRICAL SPECIFICATIONS

#### Breakdown Voltage (Contact to Contact):

At sea level: 5000 V<sub>RMS</sub>

At 70 000 feet [21 336 meters]: 650 V<sub>RMS</sub>

**Current Rating: 7.5 A**

### FEATURES

- Body components available with any desired pin and socket combination
- Contacts float in molding to aid in aligning and in withstanding vibration
- Polarization accomplished by reversed pin and socket combination
- Barriers for increased creepage distance
- Thru hold permits use of building block technique or flat mounting

### MATERIAL SPECIFICATIONS

**Standard Body:** Glass-filled diallyl phthalate per ASTM D 5948-96 green, flame retardant

**Pin Contacts:** Brass

**Socket Contacts:** Phosphor bronze

**Contact Plating:** Gold, 10 micro-inches

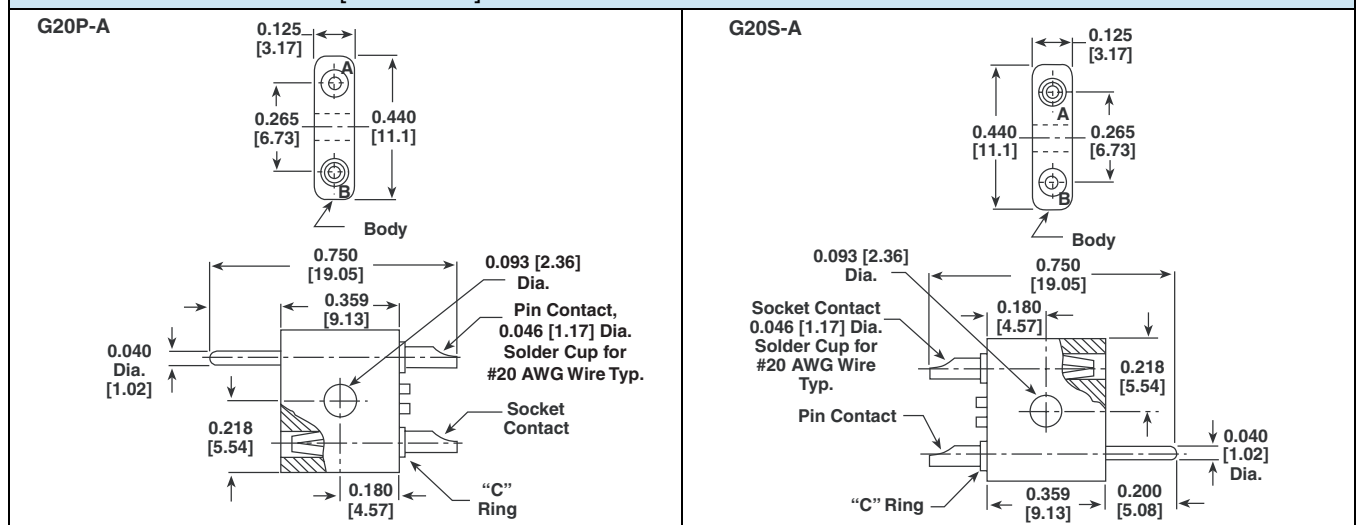
### PHYSICAL SPECIFICATIONS

**Minimum Creepage Path between Contacts:** 0.25" [6.35 mm]

**Minimum Air Space between Contacts:** 0.19" [4.76 mm]

**Maximum Wire Size:** #20 AWG

### DIMENSIONS in inches [millimeters]



### ORDERING INFORMATION

G20 MODEL	S P BODY STYLE	AB B A CONTACT VARIATIONS
G20 - Side Mount with 2 positions for #20 AWG contacts	P - Pin style body. S - Socket style body. These designators are used to identify mating connectors. If designator 3 is the same, a connector designated G20P will mate with a connector designated G20S	Designates pin contact positions in a G20P connector or socket contact positions in a G20S connector
<b>EXAMPLE 1:</b> G20P-A = Connector with pin contact in position "A" and socket contact in position "B"	<b>EXAMPLE 2:</b> G20S-A = Connector with socket contact in position "A" and pin contact in position "B" (would mate with example 1 at left)	<b>EXAMPLE 3:</b> G20P-AB = Connector with pin contacts in both positions (would mate with G20S-AB)



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