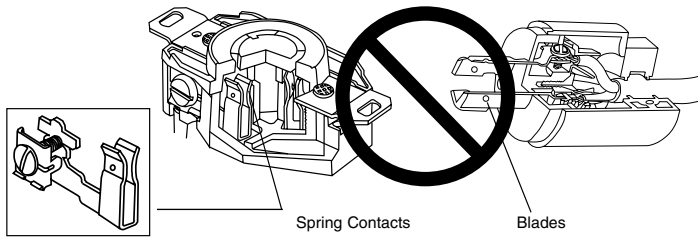


# Russellstoll®

## DuraTite™ Specifications

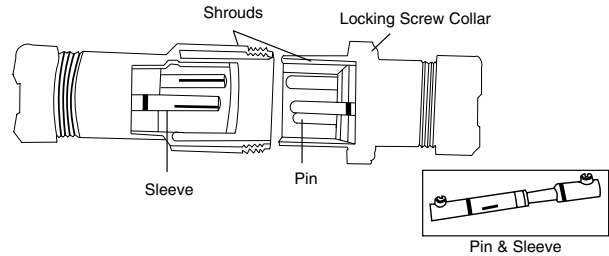
### Specifications

#### Bladed Plug & Receptacle



Spring blade contact designs offer point contact only, with minimal mechanical support in receptacles. Higher heat is generated in use as contacts loosen with age and dirt accumulation, resulting in failures. Exposed blade contacts can easily be damaged.

#### Pin & Sleeve Connector & Plug



Pin & Sleeve design allows higher current flow at cooler temperatures due to the large circular contact area. Sleeves act as retainers for the pins making a reliable connection. Shrouded pins & sleeves are protected from damage and casual access. Locking screw collars provide for a reliable, long lasting connection.

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#### Performance – Electrical

<b>Dielectric Voltage Withstand</b>	3,000 Volts
<b>Max. Working Voltage</b>	6000 volts RMS (minimum creepage and minimum clearance per UL 840)
<b>Circuit Interrupting/ Load Breaking</b>	UL listed and CSA certified for circuit interrupting at full rated current.
<b>Temperature Rise</b>	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated current at .75-PF.
<b>Horsepower</b>	Per NEC 430-151 ratings

#### Performance – Mechanical

<b>Impact Resistance</b>	Per UL 1682 Paragraph 34
<b>Cord Accommodation</b>	Round portable service cords. 10 standard diameters from .405" to 1.00", custom sizes to spec
<b>Terminal Identification</b>	In accordance with UL1682
<b>Cable Pull Out Force</b>	In accordance with UL1682
<b>Product Identification</b>	Identification label and molded in name

#### Performance – Environmental

<b>Moisture Resistance</b>	Per UL1682 Paragraph 49. Flap cover on receptacle, O-Rings optional on all pins, sleeves, and interiors. Watertight interiors with optional O-rings. Meets requirements for NEMA 3R/12 & IP44.
<b>Flammability Operating</b>	V0 or better per UL94 Maximum Continuous: 95°C / 203°F
<b>Temperatures</b>	Minimum: -40°C / -40°F w/o impact
<b>Chemicals</b>	Resists standard industrial hydrocarbons, acids, bases and solvents.

#### Material

<b>Contact Carrier Interior</b>	Molded arc resistant UL94-V0 phenolic thermoset
<b>Housing, Gland Nuts</b>	DuraV™ UL94-V0, High Impact
<b>Screw Collar Rings</b>	Thermoplastic
<b>O-Rings</b>	Buna-N (Nitrile)
<b>Contacts: Pins &amp; Sleeves</b>	Brass CDA 360
<b>Terminals</b>	Brass CDA 360
<b>All Hardware</b>	Stainless Steel
<b>Gland Friction Washer</b>	20 Amp - Nylon 30 & 50 Amp - Aluminum
<b>Cable Clamp Bushing</b>	Neoprene

#### Approvals



**Thomas & Betts**