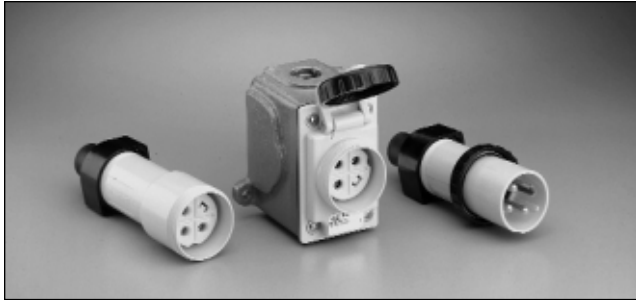


Russellstoll®

DuraGard® Nonmetallic Waterproof Connections

Washdown Duty, Chemical, Outdoor, Industrial and Marine Use Nonmetallic Plugs, Connectors Receptacles and Inlets – 20, 30 and 50 Amp, Maximum 600 VAC/250 VDC



The Next Generation: DuraGard®

Severe environments and high pressure washdown duty applications require durable, waterproof and safe connections. Russellstoll takes design reliability to new heights with Safety Grade™ standards for truly waterproof connectors. Many watertight specifications cover mated connections only. DuraGard connectors are designed to be watertight *mated* or *unmated*, thus offering the ultimate waterproof connection. DuraGard connectors are also UL94-V0 flame rated for safety and utilize a durable, efficient pin and sleeve contact design that is voltage polarized to meet NEC210-7 and OSHA standards. DuraGard® ... designed for maximum safety, durability and performance.

DuraGard® Features Make the Performance Difference.



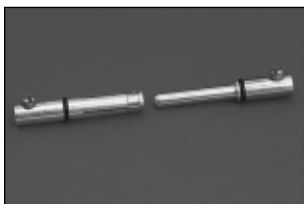
Not just “watertight”; Waterproof for Washdown Duty: DurORing™ Sealing

- Specifically designed for wet environments with our unique DurORing™ sealing system. Unit is watertight mated or unmated.
- Eliminates need for costly “weather boots” or “adapters”.
- Compact Size.
- “Lockout Ready” plugs have padlock access hole in front. (30/50A).



Durable, Tough and Flame Safety Rated Housings

- DuraV™ housing material specially selected for hot or cold washdown duty.
- Flame Safe UL94-V0 rated housings.
- Superior Performance in Corrosive Environments.
- High Visibility yellow housings.



Safe and Reliable Power Connections: Pin and Sleeve, Voltage Polarized

- **Long Life:** Round, Self Cleaning, Constant Pressure Pin and Sleeve Contacts, of Solid CDA 360 brass for long reliable electrical life.
- **More Power, Operates Cooler:** large circular electrical contact area allows more current flow with lower temperature rise.
- **Ground Pin Keyed for Voltage Polarization** (O-ring seal)



Easy To Wire

- **“No twistoff” Locking Plugs™:** Integral Threaded Screw Collars and Compression type Bushings make wiring a snap.
- **Fast Assembly and Wiring:** “Drop-In” rear loaded interiors use no assembly screws, versus 3-5 or more with other connectors. 30/50A connectors use unique E-Z Tite™ external gland lock screw, also.

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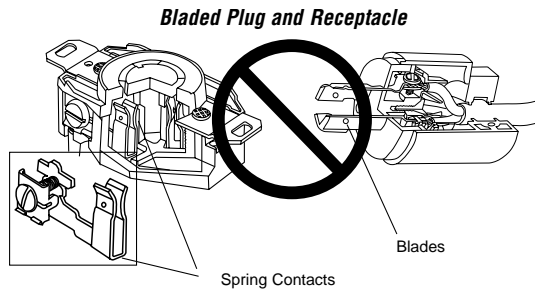
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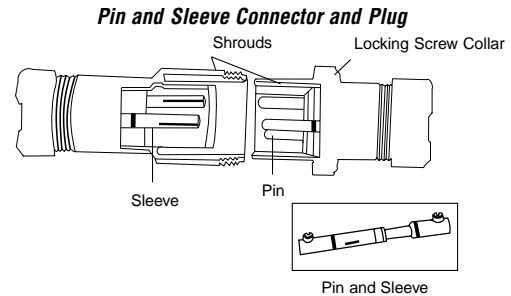
DuraGard® Pin and Sleeve Connections

Pin and Sleeve contact devices consist of round male pins which are inserted into tubular female sleeves. Current flows through a large pin-to-sleeve circular contact area. Because current is not restricted through point contact only, higher current flow and cooler operating temperatures are achieved in a compact connection. Wiping action during insertion or withdrawal provides positive self cleaning.

Shrouded pins and sleeves are protected from physical damage or casual access and aid in polarization features of the line. The shroud and screw collar completely lock plugs to receptacles or connectors for a reliable connection. Step on the cord, kick or drop a plug; your connection will remain tight. *Pin and Sleeve devices are the safety standard for high current applications worldwide.*



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. Contacts are both the electrical and mechanical locking method.



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



The Water Spray Test

1000 PSI water spray was directly applied at the face of DuraGard receptacles. No damage occurred, and no water penetrated the housing or cord seal. DuraGard plugs, connectors and receptacles are designed to withstand water spray test at 1000 PSI. No extra cost boots or adapters required.



DuraGard®: Designed For the Toughest Washdown Applications



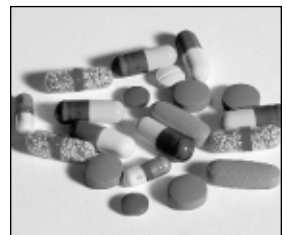
Pulp and Paper



Food Processing



Beverage and Bottling



Pharmaceutical Manufacturing

RUSSELLSTOLL® DURAGARD®/FSFD

Russellstoll®

DuraGard® Nonmetallic Waterproof Connections

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The Ultimate in Waterproof Connection

20, 30 and 50 Amps, 600 VAC
20 Amp, 250 VDC

Lockout Capable (30/50A Plugs)

- Access Hole (not seen) For Padlock Hasp.
- CDA 360 Solid Brass Pin and Sleeve Contacts.

High Reliability, High Performance Connections

- CDA 360 Solid Brass Pin and Sleeve Contacts.

Long Lasting Self Cleaning Connections

- Full Round Pin and Sleeve Contacts.

Fast, Easy, Rear Load Wiring and Assembly

- Drop-in Assembly Interior.
- Sleeve and Cable Bushing.
- Easy-in pressure screw wiring terminations.

Waterproof Cable Sealing

- Neoprene Compression Bushing.
- One-piece lock screw.
- Locking Bushing Nut with External Cable Clamps.
- Bushing sizes available for any cable size.

Waterproof Locking Connections

- Locking Screw Collars with O-ring gaskets.
- Housing mechanical support and pin and sleeve connection.

Safety Features

- Safety Ground Makes First, Breaks Last.
- Voltage Polarized to Meet NEC210-7 and OSHA Standards.

Durable and UL94-V0 Flame Rated Housings

- DuraV™ high impact body and collars.
- Thermoset Interiors.
- Dead Front Construction.

Dry Wiring Compartments

- DurOring™ Sealing System for each pin and sleeve and interior assembly.

(50 Amp Plug and Connector Shown)