

Russellstoll®

FS/FD™ 10-30A Metallic

Metallic Plugs, Connectors, Receptacles and Reverse Service Female Plugs/Male Inlets.
10-30A, Maximum 600 VAC/250VDC

Engineering Specifications

Performance – Electrical

Dielectric Voltage Withstand	3,000 Volts
Max. Working Voltage	600 volts RMS (minimum creepage distance and minimum clearance per UL 840)
Circuit Interrupting/ Load Breaking	UL listed and CSA certified for circuit interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated current at .75-pf.
Shrouded Contacts	Complies with California Code Title 8, Art. 51,S2510.7(b) for devices exceeding 300 VAC
Horsepower	Per NEC 430-151 ratings (non-interrupting)

Performance – Mechanical

Impact Resistance	Per UL 1682 Paragraph 34
Cord Accommodation	Round portable service cords per UL standard 62 & CSA C22.2 No. 49.1
Terminal Identification	In accordance with UL1682
Cable Pull Out Force	In accordance with UL1682
Product Identification	Identification label and name per UL 1686



Performance – Environmental

Moisture Resistance	Per UL1682 Paragraph 49. Watertight/flap screw cover on receptacle.
Flammability Operating	VØ / 5VA per UL94 Maximum Continuous: 95°C / 203°F
Temperatures	Minimum: -40°C / -40°F w/o impact
Chemicals	Resists standard industrial hydrocarbons, acids, bases and solvents.

Material

Contact Carrier Interior	Thermoset
Housing, Gland Nuts Screw Collar Rings	Cast Aluminum or Brass
Contacts: Pins & Sleeves	Brass
Hinge Pins (Receptacle)	Stainless Steel
Terminals	Brass
Terminal Screws	Stainless Steel
Flap Springs	
Assembly Screws	
Nuts, Hardware	
Gland Friction Washer	Brass or Aluminum
Cable Clamp Bushing	Neoprene

Approvals



E2630/E47956



LR14096