

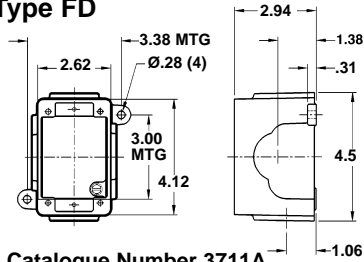
Russellstoll®

DuraGard® Nonmetallic Waterproof Connections — Accessories

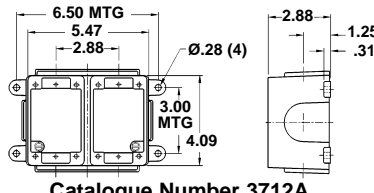
Washdown Duty, Chemical, Outdoor, Industrial and Marine Use Nonmetallic Plugs, Connectors Receptacles and Inlets – 20, 30 and 50 Amp, Maximum 600VAC/250VDC

Conduit Boxes (For Surface Mounting)

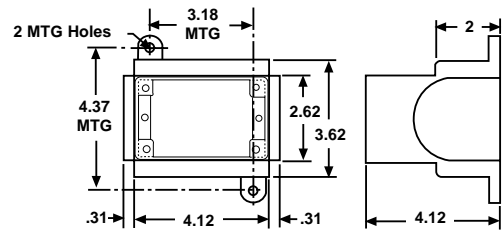
Type FD



Catalogue Number 3711A



Catalogue Number 3712A



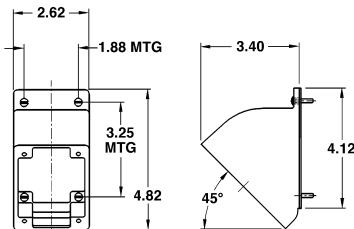
Catalogue Number 3781A

	Cast Aluminum	Cast Brass	Use with
Single	3711A	3731	20A
Double	3712A	3732	30A
DSFD	3781A	3782	50A

¾" NPT Hole Std.

Additional Accessories are Available. Consult your Regional Sales Office.

45° Angle Adapter



Catalogue Number 3678A

Cast Aluminum	Cast Brass
3678A	3678B

Conduit Adapter Kits (Plugs or Connectors)



Size	20 Amp	30 Amp	50 Amp
½"	9X2C <u>50</u>	—	—
¾"	9X2C <u>75</u>	9X3C <u>75</u>	9X5C <u>75</u>
1"	—	9X3C <u>10</u>	9X5C <u>10</u>

Underlining () indicates suffix of plugs and connectors to be assembled at factory.

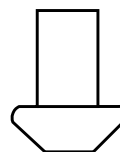
Screw Cap / Cup Cap



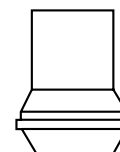
	20 Amp	30 Amp	50 Amp
Screw Cap (Connector)	9X2PSC	9X3PSC	9X5PSC
Cup Cap (Plug)	—	F26874C	F26874C

Cable Bushings

Max. Cable O.D. (Inches)	20 Amp	30 and 50 Amp
0.375	C16984A	
0.437	C16984B	
0.500	C16984C	
0.545		2000-11
0.562	C16984D	
0.606	B16506	
0.620		2000-03
0.625	B16524	
0.700		2000-04
0.750		2000-01
0.800		2000-06
0.870		2000-02
0.925		2000-12
1.000		2000-05



20 Amp Cable Bushing





30 and 50 Amp Cable Bushing

Material – oil resistant neoprene

State Catalogue number followed by slash/ ___ and bushing code; Example: 9P33U1/1000

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Replacement Interiors			
Amps	Voltage Polarization	Catalogue Numbers	
		Male Interior Assembly	Female Interior Assembly
2P3W 20A	125VAC		
	250VAC	9XM23U2	9XF23U2
	277VAC	9XM23U3	9XF23U3
	480VAC	9XM23U4	9XF23U4
	600VAC	9XM23U5	9XF23U5
	thru 600VAC / 250VDC	9XM23U0	9XF23U0
2P3W 30A	125VAC	9XM33U1	9XF33U1
	250VAC	9XM33U2	9XF33U2
	277VAC	9XM33U3	9XF33U3
	480VAC	9XM33U4	9XF33U4
	600VAC	9XM33U5	9XF33U5
	thru 600VAC / 250VDC	9XM33U0	9XF33U0
2P3W 50A	125VAC	9XM53U1	9XF53U1
	250VAC	9XM53U2	9XF53U2
	480VAC	9XM53U4	9XF53U4
	600VAC	9XM53U5	9XF53U5
	thru 600VAC / 250VDC	9XM53U0	9XF53U0
3P4W 20A	125VAC	9XM24U1	9XF24U1
	250VAC	9XM24U2	9XF24U2
	480VAC	9XM24U4	9XF24U4
	600VAC	9XM24U5	9XF24U5
	thru 600VAC / 250VDC	9XM24U0	9XF24U0
3P4W 30A	125VAC	9XM34U1	9XF34U1
	250VAC	9XM34U2	9XF34U2
	480VAC	9XM34U4	9XF34U4
	600VAC	9XM34U5	9XF34U5
	thru 600VAC / 250VDC	9XM34U0	9XF34U0
3P4W 50A	125VAC	9XM54U1	9XF54U1
	250VAC	9XM54U2	9XF54U2
	480VAC	9XM54U4	9XF54U4
	600VAC	9XM54U5	9XF54U5
	thru 600VAC / 250VDC	9XM54U0	9XF54U0

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Safety Interlocks

Features and Benefits

Circuit Breaker Interlocked Outlet

- 30A and 50A ranges and polarizations to 480VAC.
- 22kA Interrupt Capacity Breaker.
- Easy handle reset after trip.
- Auxiliary switch or other options.

User Friendly – Flexible Mounting

- Variable footprint mounting tabs.
- Compact size fits 8" standard I-Beam webs.
- Conduit entry from top, bottom or side.
- Large red handle with lockout access.

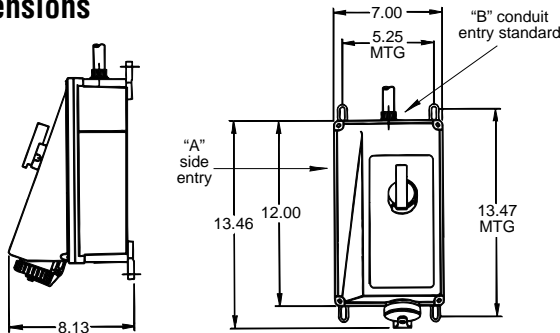
Flame Rated and DuraV® Tough Housing

- UL94-V0 housing and interior with Stainless Steel components.
- High impact thermoplastic housing.
- NEMA 4X construction.



The *only* Nonmetallic, 22kAIC, 20, 30, and 50A series circuit breaker interlocked receptacle available today.

Dimensions



Ordering Information

AMPS	3P4W Voltage Polarization*	Cat. No.			
		Safety Interlock With Circuit Breaker	Circuit Breaker Trip Rating	Mating Plug	Safety Interlock With Non-Automatic Safety Switch
3P4W 30A	125/250 VAC	9MT34U1W30B	30A	9P34U1	9MI34U1WNAB
	250 3Ø VAC	9MT34U2W30B	30A	9P34U2	9MI34U2WNAB
	480 3Ø VAC	9MT34U4W30B	30A	9P34U4	9MI34U4WNAB
	600 3Ø VAC	9MT34U5W30B	30A	9P34U5	9MI34U5WNAB
	Thru 600 VAC/ 3P4W	9MT34U0W30B	30A	9P34U0	9MI34U0WNAB
			♦ 1		
3P4W 50A	125/250 VAC	9MT54U1W50B	50A	9P54U1	9MI54U1WNAB
	250 3Ø VAC	9MT54U2W50B	50A	9P54U2	9MI54U2WNAB
	480 3Ø VAC	9MT54U4W50B	50A	9P54U4	9MI54U4WNAB
	600 3Ø VAC	9MT54U5W50B	50A	9P54U5	9MI54U5WNAB
	Thru 600 VAC/ 3P4W	9MT54U0W50B	50A	9P54U0	9MI54U0WNAB

† Change suffix for alternate trip ratings. Example: 9MT54U2W30B - 50 Amp, 3P4W, Safety Interlock with 30 Amp circuit breaker, conduit top entry.

* Other voltage polarizations available. Contact your Regional Sales Office.

♦ Change "W" to "F" for flap cap access. Example: 9MI34U2F30B - 30 Amp, 3P4W, Safety Interlock with non-automatic safety switch and flap cap.

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Safety Interlocks Engineering Specifications

Performance – Electrical

Dielectric Voltage Withstand	3,000 Volts
Max. Working Voltage	480 volts RMS (minimum creepage distance and minimum clearance per UL 840) (using circuit breaker)
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	Exceeds NEC 430-151 ratings (Circuit Breaker)

Performance – Mechanical

Impact Resistance	Per UL 1682 Paragraph 34
Wiring Accommodation	Conduit Entries at top, side and bottom. .750" NPT top entry standard
Terminal Identification	In accordance with UL 1682
Plug Pull-Out Force	In accordance with UL 1682
Product Identification	Identification label
Lockout/Tagout	Lockout/Tagout access on switch complies with OSHA Reg. 29 CFR 1910.147



Performance – Environmental

Moisture Resistance	Per UL 1682 Paragraph 49. Watertight/flap screw cover on receptacle, O-Rings on all pins and sleeves, interiors and plug shell. Watertight even when not engaged. (Screw cover closed/locked)
Flammability	V0 or better per UL94
Operating Temperatures	Maximum Continuous: 95°C/203°F Minimum: -40°C/-40°F w/o impact (note: per circuit breaker trip curves at elevated temps.)
Chemicals	Resists standard industrial hydrocarbons, acids, bases and solvents.
UV Resistance	UV stabilized material

Material

Contact Carrier	Molded arc resistant UL94-V0 thermoset material
Housing, Gland Nuts Screw Collar Rings	DuraV™ UL94-V0, High Impact Thermoplastic
O-Rings	Buna-N (Nitrile)
Contacts: Pins and Sleeves	Brass CDA 360
Hinge Pins (Receptacle)	Stainless Steel
Terminals	Brass CDA 360
Terminal Screws Flap Springs Assembly Screws Nuts, Hardware	Stainless Steel

Approvals

