

FS/FD™ Metallic Connections



Female Receptacles



Reverse Service



Inlets

ALUMINUM WITH BOX *	CAST BRASS WITH BOX *	FEMALE PLUGS		MALE RECEPTACLES	
		ALUMINUM	CAST BRASS	ALUMINUM WITH BOX FDWS-62	CAST BRASS WITH BOX 3731
3743U-2	3763U-2	3789U-2	3789BU-2	3776U-2	3779U-2
3743U-3	3763U-3	3789U-3	3789BU-3	3776U-3	3779U-3
3743U-4	3763U-4	3789U-4	3789BU-4	3776U-4	3779U-4
3743U-5	3763U-5	3789U-5	3789BU-5	3776U-5	3779U-5
3743	3763	3789	3789B	3776	3779
3743U-1	3763U-1	3789U-1	3789BU-1	3776U-1	3779U-1
3753	3773	3809 ¹	3809B ¹	3796 ²	3799 ³
3744	3764	3790	3790B	3777	3780
3744	3764	3790	3790B	3777	3780
3754	3774	3810	3810B	3797	3800
3754	3774	3810	3810B	3797	3800

* Receptacles come with the following boxes:

MATERIAL	AMPERES	BOX
Aluminum	10, 15 and 20	FSWS-62
	30	FDWS-62
Brass	10, 15 and 20	3721
	30	3731

Note:

1. Also in plastic. Use 3809P or 9F33UO.

2. Also in plastic. Use 3796P — Aluminum back box (use 3797-P for brass).

3. Also in plastic. Use 3799P (Brass J-Box) or 9B33U0F (without J-Box).

For 20A/30A Thermoplastic devices, see DuraGard® section.

Mating with DuraGard® line:

— 20A devices will mate and lock across lines.

— 30A metal male devices cannot mate to DuraGard®; 30A female devices can be mixed.

DuraTite® and Ever-Lok® Locking Connections

Standard Service Female Receptacles

Power & High Voltage — Russellstoll® Pin & Sleeve Power Connectors



	250VAC RATING	RATING	FEMALE RECEPTACLE ONLY WITH FLAP COVER [^]	RECEPTACLE WITH BOX FSWS-62* [*]	2-GANG [‡]
2P3W	15 AMP	20 Amp, 125VAC	8003	8083	8128
		15 Amp, 250VAC			
		10 Amp, 600VAC			
		20 Amp, 125VAC	8003U1	8083U1	8128U1
		15 Amp, 250VAC	8003U2	8083U2	8128U2
		15 Amp, 277VAC	8003U3	8083U3	8128U3
	30 AMP	15 Amp, 480VAC	8003U4	8083U4	8128U4
15 Amp, 600VAC		8003U5	8083U5	8128U5	
30 Amp, 250VAC		8005	8030	8131	
20 Amp, 600VAC					
3P4W	15 AMP	20 Amp, 125VAC	—	—	—
		10 Amp, 250VAC	8008	8084	8129
		15 Amp, 250VAC	—	—	—
	30 AMP	10 Amp, 600VAC	—	—	—
		20 Amp, 600VAC	—	WITH FS BOX	WITH FD BOX
		30 Amp, 250VAC	8004	8031	8132
	50 AMP	50 Amp, 250VAC	—	WITH FD BOX	WITH FD BOX
		30 Amp, 250VAC	8304	8331	8334
30 Amp, 600VAC		—	—	—	

Notes:

[^] For FS, FD, FSWS, FDWS and similar conduit fittings.

* Receptacle with box and cover.

** Provided with FDWS62 Box.

[‡] Two-gang receptacles can also be provided in mixed configurations including NEMA bladed, etc. Consult Technical Services.

Male inlets (reversed contacts service): Use receptacle mountings but accept standard female connector.

Horsepower ratings:

½ hp, 1-phase, 230VAC

1 hp, 3-phase, 115VAC

Note: Standard Ever-Lok receptacles also accept DuraTite® plugs.

DuraTite® and Ever-Lok® Locking Connections



CONFIGURATION		HSF SERIES BASIC RECEPTACLE			HSA SERIES*
30 Amp	2P3W	8407	8443	HSF8403	8403
	3P4W	8408	8444	HSF8404	8404
60 Amp	2P3W	8417	8453	HSF8413	8413
	3P4W	8418†	8454	HSF8414	8414
100 Amp	3P4W	8428-72	8464-72	HSF8424-72	8424-72

Notes:

Reverse service available by adding "R" suffix to catalog number. Solder lugs on 100 amp only.

Connectors — Can be furnished with conduit adapters to accommodate rigid conduit or standard connectors for armored and non-metallic cable or flexible conduit. See **page H-432**.

Flap covers are standard on all receptacles.

* Can be furnished with 45° angle adapter when specified on order. Add suffix -45 to catalog number.

† 8418 or F27194 Automotive 480VAC version plug.

Standard Cable Bushing

(see page H-432 for other Bushings)

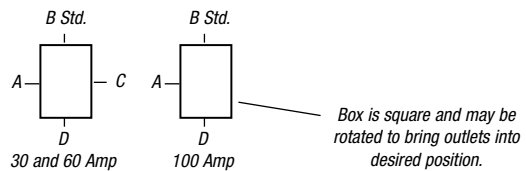
CURRENT RATING	BUSHING	MAX. AWG SIZE
30	7/8"	#8, 7-strand or flexible
60	1 3/16"	#4, 7-strand or flexible
100	1 1/2"	#2, 7-strand or flexible

Conduit Size

CURRENT RATING	STD. SIZE	MAX. SIZE
30	1"	1 1/4"
60	1"	1"
100	2"	2"

See **page H-431** for cable conduit adapters.

Outlet Location — Standard Series



Control Circuit Connections

Indoor, NEMA 1
 20 Amp Load Breaking
 250 Volts DC
 600 Volts AC (Maximum Rating)

Power & High Voltage — Russellstoll® Pin & Sleeve Power Connectors

Standard Service



Connector



Reverse Service



POLES/ WIRES	FEMALE RECEPTACLE STYLE SKR	MALE PLUG STYLE SKP	FEMALE CONNECTOR STYLE SKC	MALE RECEPTACLE STYLE SKRR	CONNECTOR*/ FEMALE PLUG STYLE SKCU	CABLE BUSHING HOLE ID
2P3W	SKR3G	SKP3G	SKC3G	SKRR3G	SKCU3G	5/8"
3P4W	SKR4G	SKP4G	SKC4G	SKRR4G	SKCU4G	5/8"
4P5W	SKR5G	SKP5G	SKC5G	SKRR5G	SKCU5G	3/4"
5P6W	SKR6G	SKP6G	SKC6G	SKRR6G	SKCU6G	3/4"
6P7W	SKR7G	SKP7G	SKC7G	SKRR7G	SKCU7G	3/4"
7P8W	SKR8G	SKP8G	SKC8G	SKRR8G	SKCU8G	7/8"
8P9W	SKR9G	SKP9G	SKC9G	SKRR9G	SKCU9G	7/8"
9P10W	SKR10G	SKP10G	SKC10G	SKRR10G	SKCU10G	1"
10P11W	SKR11G	SKP11G	SKC11G	SKRR11G	SKCU11G	1"
11P12W	SKR12XG	SKP12XG	SKC12XG	SKRR12XG	SKCU12XG	1"

* Connectors: Both SKCU and SKC connectors will mate with standard service SKP plugs. SKC devices offer external shroud protection for female contacts. Both devices will lock with plug.

Note: With conduit fittings, plugs and connectors can be furnished with adapters to accommodate rigid conduit or standard connectors for armored and non-metallic cable or flexible conduit. See **page H-443**. Special construction: press control lockout dummy, Cat. #SKPD-.

Specifications

- Receptacle Housing:
 - Furnished with Neoprene gasket and 6-32 mounting screws
 - Type SKWR — Cast aluminum, corrosion-resistant copper free alloy
 - Style SKR — Heavy-gauge steel, plated
- Plug Housing:
 - Type SKP — Steel, zinc-plated with heavy-cast aluminum alloy cable clamp and cable bushing
 - Type SKWP — Cast aluminum, corrosion-resistant copper-free alloy, epoxy powder-coat finish. Furnished with heavy-cast cable clamp and cable bushing
- Connector Housing: Cast aluminum, corrosion-resistant copper-free alloy, epoxy powder coat finish. Furnished with heavy-cast cable clamp and cable bushing
- Conduit Boxes: Cast boxes for above receptacles are listed on **page H-440**. Type SK receptacles require FD series or DSFD box; can be furnished with single-gang outlet box at additional cost. When required, add suffix catalog number of box to catalog number of receptacle
- Cable Bushing: Oil-resistant Neoprene strain relief cable bushing regularly furnished with hole size as listed; other hole sizes available at no extra cost if specified on order. See **page H-443** for additional sizes
- Interiors: Contacts are removable and have pressure type terminals for 12 AWG maximum conductors
- Insulating Bodies: Arc- and impact-resisting mold composition
- Contacts: Silver plated with fully insulated pressure screw-type terminals
- Repair Kits: Pins/Sleeves Repair — Components for rebuild of 2-4 interiors
 - Male Devices **Cat. No. SKX12MS**
 - Female Devices **Cat. No. SKX12FA**