

DuraTite® and Ever-Lok® Locking Connections

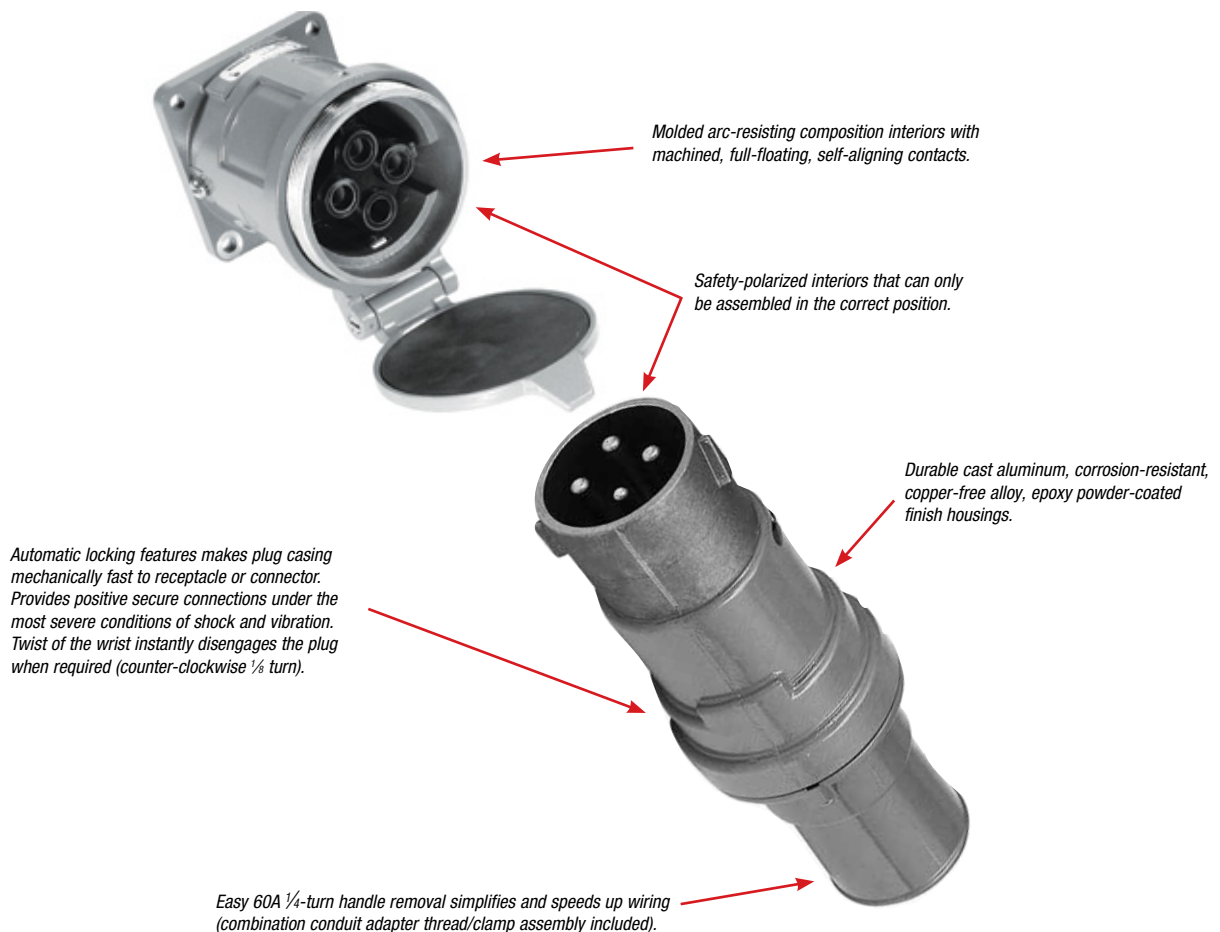
Heavy-Duty Automatic Locking Receptacles, Plugs and Connectors

30–100 Amp, 480VAC/250VDC

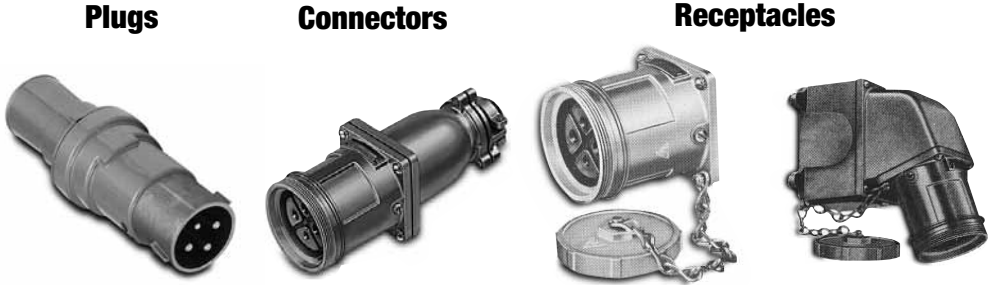
Heavy Service Ever-Lok® components stay plugged in so your portable equipment stays on. The industrial standard for portable welders and other industrial equipment locks in place automatically at insertion — no screw collars to bother with. With its contoured handle, an easy counter-clockwise twist releases the plug for withdrawal, even under full-rated load/circuit-interrupting conditions.

Simple and rugged, the Heavy Service Ever-Lok® self-locking system sets the standard for easy access in facilities, welding and industrial equipment use. All standard receptacle configurations are available, as well as reversed contact service options.

Design Features



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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)

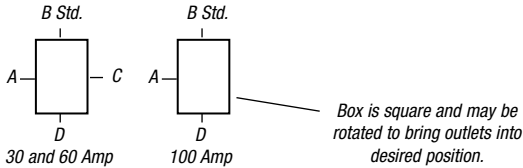
CURRENT RATING	BUSHING	MAX. AWG SIZE
30	7/8"	#8, 7-strand or flexible
60	1 1/16"	#4, 7-strand or flexible
100	1 1/2"	#2, 7-strand or flexible

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



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Receptacle Mounting Options

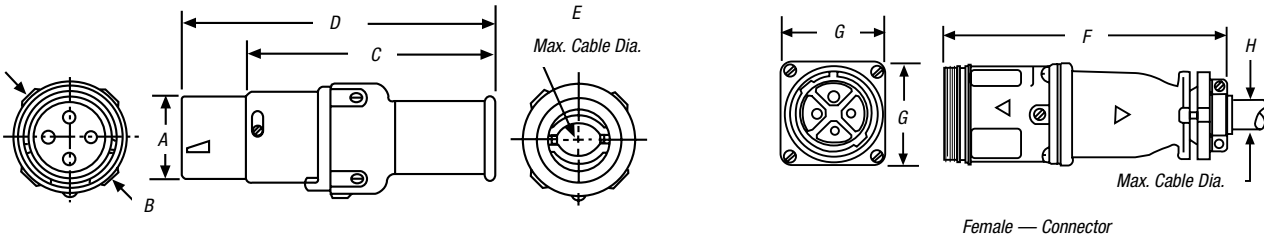
Progressive Assembly

MOUNTING STYLE	TO ORDER USE:	CURRENT RATING			
		30 AMP	60 AMP	100 AMP	
Standard Series HSA 	  	Receptacle + Vertical or Square Mount Box + Angle Adapter or JAA3-45 (45°)	Basic Receptacle* + JB3-B100 1" Std. Conduit Size + JAA3 (20°) or JAA6-45 (45°)	Basic Receptacle* + JB6-B150 1½" Std. Conduit Size + JAA6-AB6 (20°) or JAA10-45 (45°)	Basic Receptacle* + JB10-B200 2" Std. Conduit Size + JAA10 (20°)
Series HSR Straight 	  	Receptacle + Vertical Mount Box + Straight Adapter	Basic Receptacle* + JB3-B100 1" Std. Conduit Size + JRA3	Basic Receptacle* + JB6-B150 1½" Std. Conduit Size + JRA6-AB6	Basic Receptacle* + JB10-B200 2" Std. Conduit Size + JRA10
Series HSB 	 	Receptacle + 30° Angle Adapter	Basic Receptacle* + JAAB3	Basic Receptacle* + JAAB6	Basic Receptacle* + JAAB10
Series HSE 	 	Receptacle + Angle Enclosure 1" Std. Conduit Size	Basic Receptacle* + JE3 1½" Std. Conduit Size	Basic Receptacle* + JE6	N/A
Series HSH Horizontal 	  	Receptacle + Horizontal Mount Box + Angle Adapter	Basic Receptacle* + JB3-B100 1" Std. Conduit Size + JHA3 (20°)	N/A	N/A

* Select appropriate receptacle by rating, configuration and voltage on **page H-427**.
 Ordering — Order individual pairs or use series letters followed by receptacle I.D. (ref. HSA series number).
 Example: HSB8414. (For HSA, use receptacle catalog numbers only.)

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Plugs and Connectors

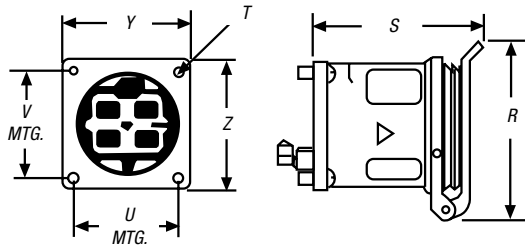


Dimensions for 2-, 3- or 4-Wire Weathertight Units

AMP	A	B	C*	D	E	F	G	H
30	2"	3"	5.625"	7"	1"	7.625"	2.750"	1.125"
60	2.625"	3.750"	7.687"	9.750"	1.50"	9.625"	3.500"	1.500"
100	2.625"	3.750"	7.687"	11"	1.50"	10.875"	4"	1.875"

* Length of plug exposed when engaged in receptacle or connector.

Basic Receptacles



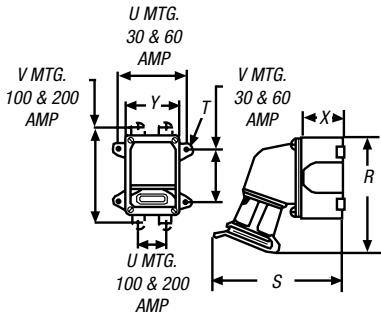
Dimensions for 3- or 4-Wire Units

AMP	Y	V	U	T	S	R	PANEL OPENING
30	2.750"	2.250"	2.250"	.213"	3.250"	7.000"	2.250" D
60	3.500"	2.875"	2.875"	.281"	4.625"	8.875"	2.875" D
100	4"	3.375"	3.375"	.281"	5.875"	10.500"	3"

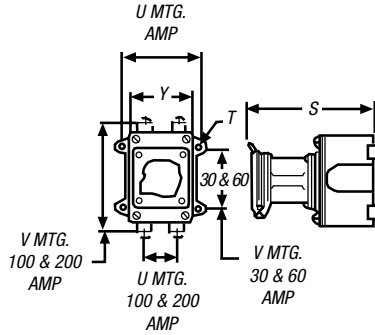
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Power & High Voltage — Russellstoll® Pin & Sleeve Power Connectors

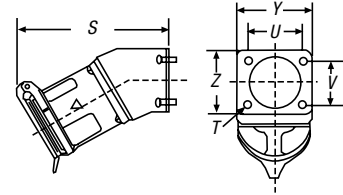
Standard Series HSA



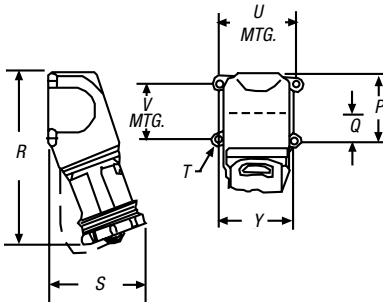
Series HSR



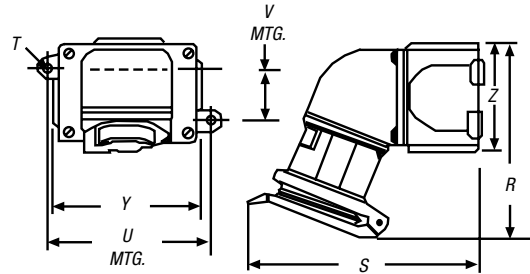
Series HSB



Series HSE



Series HSH



AMP	SERIES	Z	Y	X	V	U	T	Q	P	S	R	PANEL OPENING
30	HSA (20°)	4.500"	3.000"	2.375"	2.687"	3.687"	.250"	—	—	7.375"	7.000"	—
	HSA (45°)	4.500"	3.000"	2.375"	2.687"	3.687"	.250"	—	—	7.875"	6.625"	—
	HSR	4.500"	3.000"	2.375"	2.687"	3.687"	.250"	—	—	6.750"	—	—
	HSB	3.125"	3.125"	—	2.250"	2.250"	.213"	—	—	6.250"	—	2.250"
	HSE	—	3.500"	—	—	4.000"	.250"	1.250"	2.375"	5.250"	7.250"	—
60	HSH	3.937"	4.500"	2.375"	3.687"	2.687"	.250"	—	—	7.250"	6.125"	—
	HSA (20°)	5.625"	4.000"	3.000"	3.812"	4.937"	.343"	—	—	9.250"	8.875"	—
	HSA (45°)	5.625"	4.000"	3.000"	3.812"	4.937"	.343"	—	—	9.875"	8.250"	—
	HSR	5.625"	4.000"	3.000"	3.812"	4.937"	.343"	—	—	8.375"	—	—
100	HSB	3.187"	3.625"	—	2.187"	2.625"	.281"	—	—	9.250"	—	2.500"
	HSE	—	4.250"	—	3.125"	4.500"	.281"	1.562"	3.687"	6.750"	9.750"	—
	HSA (20°)	5.500"	5.500"	3.750"	6.750"	4.250"	.343"	—	—	10.750"	10.500"	—
	HSA (45°)	5.500"	5.500"	3.750"	6.750"	4.250"	.343"	—	—	11.750"	9.500"	—
	HSR	5.500"	5.500"	3.750"	6.750"	4.250"	.373"	—	—	12.250"	—	—
	HSB	3.187"	3.625"	—	2.187"	2.625"	.281"	—	—	9.250"	—	2.500"

Note: U = horizontal mounting hole centers; V = vertical mounting hole centers.