Appleton®

DICOM INGENIEROS S.R.L.

Materiales eléctricos
Industriales

GUÍA DE
FICHAS TÉCNICAS

PRODUCTOS ELECTRICOS



MINERIA · ENERGIA · CONSTRUCCIÓN · HIDROCARBUROS · INDUSTRIA · TELECOMUNICACIONES · INFRAESTRUCTURA Y TRANSPORTE

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WSRD Interlocked Receptacle

With Enclosed Disconnect Switch

600 Vac, 250 Vdc, 30, 60, 100 Amp, 50/60 Hz, Fused and Non-fused for use with Powertite™ ACP plugs.

NEC/CEC: Rated for Ordinary (Unclassified) Locations
Sheet Metal Enclosure | NEC/CEC: NEMA 3, 12
Stainless Steel Enclosure | NEC/CEC: NEMA 3, 3R, 4, 4X, 12

Applications

- Designed for use in raintight or watertight, non-hazardous, heavy duty applications where a service outlet is required for portable or fixed electrical equipment such as:
  - — Welders
  - — Generators
  - — Compressors
  - — Infrared ovens
  - — Batch feeders
  - — Conveyors
  - — Truck terminals
  - — Marine docks
- Ideally suited for use in industrial plant applications such as:
  - — Automotive and steel processing plants
  - — Pulp and paper processing plants
  - — Milk processing plants and creameries
  - — Fabrication yards and shipyards
  - — Refrigerated truck terminals



WSRD (Cutler Hammer) Sheet Metal Enclosure



WSRD (Square D) Sheet Metal Enclosure



WSRD Stainless Steel Enclosure

Features

- For use where an interlocked disconnect switch is desired to control a Powertite receptacle and insertion or removal of plug. Interlock prohibits plug insertion or removal under load. Plug is secured in place by interlock and cannot be withdrawn unless interlock release lever is actuated.
- Spring door standard and screw cap provided at no additional cost to meet NEMA 3, 3R, 4, 4X applications.
- The Square D ■ F-Series offers the latest in switch technology: An operating mechanism designed to endure at least three times the number of operations required by NEMA and UL standards; modular componentry designed for quick and easy maintenance; and visible blades for an extra measure of safety while the low mass cam allows greater blade operating speed and reduced mechanical wear.
- Insulated, dual-color polymer operating handle clearly indicates the switch being energized. Ergonomically designed handle is made of high-impact polymer material for exceptional ruggedness, durability and corrosion resistance ◄.
- Utilizes Style 2 (shell and extra pole) grounding and 3-wire, 4-pole receptacle wiring.
- Eaton switches arragned for Class H fusing and Class H, K on Square D switches. Product can be retrofitted with Class R or J fuses.
- Short circuit withstand rated to 200,000 RMS symmetrical Amps (Class R and J Fusing).
- Unit is equipped with defeatable door interlock which allows emergency access when switch is energized.
- Cover can be padlocked closed.
- Operating handle can be locked in the "OFF" or "ON" position.
- Dead front design: receptacle is not energized until plug is fully inserted and switch is engaged.
- Wire size for 30 and 60 Amp models is #14 to #2 AWG. For 100 Amp models it is #14 to #1/0 AWG.

Standard Materials and Finishes

- Receptacle assembly: copperfree (4/10 of 1% max.) aluminum with epoxy powder coating inside and outside
- WSRD enclosure: enamel coated sheet metal
- WSRD-N4 enclosure: stainless steel
- Operating handle ◄: high impact polymer
- WSRD-N4 hardware: stainless steel

NEC/CEC Certifications and Compliances

- UL Standard: UL 98, UL 50E, UL 1682, UL 1686
- CSA Standard: C22.2 No.4, C22.2 No. 182.1

Related Products

- Uses standard Powertite ACP plugs for wide acceptability.

■ *Square D is a registered trademark of Schneider Electric.*
◄ *Cutler Hammer models have metallic handles. Cutler Hammer is a registered trademark of Eaton Corporation.*
UL Classified for use with Crouse-Hinds Arktite® plugs. Crouse-Hinds and Arktite are registered trademarks of Cooper Crouse-Hinds.

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Amp	Wire Size AWG	Fusing ①	HP at 600 ② Vac 3-Phase Std.	HP at 600 ② Vac 3-Phase Max	Sheet Metal Enclosure Without Viewing Window ■	Sheet Metal Enclosure With Viewing Window ■	Stainless Steel Enclosure Without Viewing Window ■	Stainless Steel Enclosure With Viewing Window ■	Mating Plug
30	#14 to #2	Fused	7.5	20	**WSRD3352SQ**	**WSRD3352WSQ**	**WSRD3352N4SD**	**WSRD3352N4WSD**	**ACP3034BC**
		Non-Fused	—	30	**WSRD33542SQ**	**WSRD33542WSQ**	**WSRD33542N4SD**	**WSRD33542N4WSD**	**ACP3034BC**
60	#6 to #2	Fused	15	50	**WSRD6352**	N/A	N/A	N/A	**ACP6034BC**
		Non-Fused	—	50	**WSRD63542**	N/A	N/A	N/A	**ACP6034BC**
		Fused	15	50	**WSRD6352SQ**	**WSRD6352WSQ**	**WSRD6352N4SD**	**WSRD6352N4WSD**	**ACP6034BC**
		Non-Fused	—	60	**WSRD63542SQ**	**WSRD63542WSQ**	**WSRD63542N4SD**	**WSRD63542N4WSD**	**ACP6034BC**
100	#4 to #1/0	Fused	30	75	N/A	**WSRD10352WSQ**	**WSRD10352N4SD**	**WSRD10352N4WSD**	**ACP1034CD**
		Non-Fused	—	100	**WSRD103542SQ**	**WSRD103542WSQ**	**WSRD103542N4SD**	**WSRD103542N4WSD**	**ACP1034CD**

Auxiliary Contact Accessories for Square D WSRD Disconnect Switch ✦

Interlock Type	50 or 60 Hz Vac	Make	Break	Cont.	Vdc	Make and Break	Cont.	Catalog Number
1 NO/1 NC CONTACT	120	40A	15A	15A	115	0.50A	15A	**WSAUX1**
	240	20A	10A	15A	230	0.25A	15A	
	480	10A	6A	15A	—	—	—	
	600	8A	5A	15A	600	0.05A	15A	
2 NO/2 NC CONTACTS	120	30A	3.0A	10A	115	1.0A	10A	**WSAUX2**
	240	15A	1.5A	10A	230	0.30A	10A	
	480	7.5A	.75A	10A	—	—	—	
	600	6.0A	.60A	10A	600	0.10A	10A	

Replacement Parts ③

Description	Catalog Number
Square D Heavy Duty Disconnect Switch Operating Handle	WSRHANDLE
Cutler-Hammer™ Heavy Duty Disconnect Switch Operating Handle	WSRDHANDLE
30 Amp, Powertite ACP Plug Twist Clamping Ring	30CRING
30 Amp, Receptacle Screw Cover with Gasket and Chain	30SCAP
30 Amp, Powertite WRDK Interlocked Panel Mount Receptacle	WRDK3034
60 Amp, Powertite WRDK Interlocked Panel Mount Receptacle	WRDK6034
100 Amp, Powertite WRDK Interlocked Panel Mount Receptacle	WRDK1034
60 Amp Cutler-Hammer 600V 3-Pole Heavy Duty Switch Base Replacement	WSRDSB
60 Amp Cutler-Hammer 600V 3-Pole Heavy Duty Fuse Base Replacement	WSRDFB

① Fuses not included in fused products. Eaton switches arranged for Class H fusing and Class H, K on Square D switches. Product can be retrofitted with Class R or J fuses.
② Std.—using fast acting one time fuses. Max—using dual element time delay fuses.
③ See instructions provided with product for additional replacement part components.
■ Standard Square D F-Series Disconnect Switch, except where noted.
♦ Cutler Hammer Disconnect Switch.
✦ Single pole single throw interlock kits are rated 1/2 HP @ 110 and 220 Vac. WSAUX1 utilizes a 9007A01 limit switch. WSAUX2 utilizes a 9007C03 limit switch.

WSRD Interlocked Receptacle

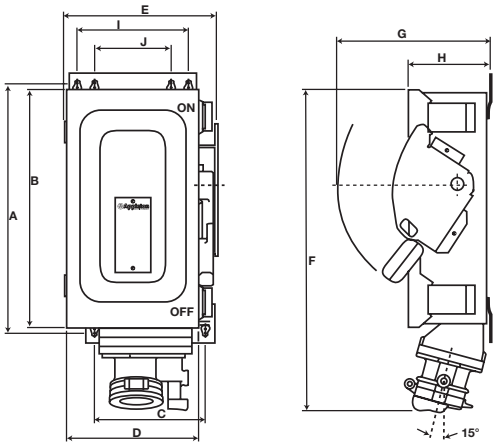
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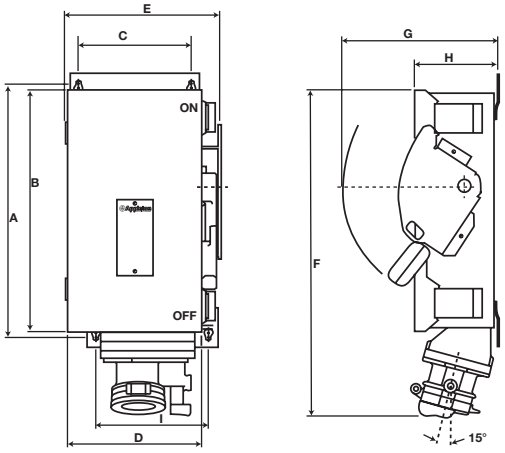
Dimensions in Millimeters (Inches)

WSRD Interlocked Receptacle with Enclosed Switch — Square D — Sheet Metal



Amp	A	B	C	D	E	F	G	H	I	J
30 and 60	425.4 (16.75)	419.1 (16.50)	190.5 (7.50)	228.6 (9.0)	266.7 (10.50)	565.1 (22.25)	261.8 (10.31)	140.4 (5.53)	190.5 (7.50)	130.0 (5.12)
100	527.0 (20.75)	520.7 (20.50)	190.5 (7.50)	228.6 (9.0)	266.7 (10.50)	666.7 (26.25)	261.8 (10.31)	140.4 (5.53)	190.5 (7.50)	130.0 (5.12)

WSRD Interlocked Receptacle with Enclosed Switch — Square D — Stainless Steel



Amp	A	B	C	D	E	F	G	H	I
30 and 60	443.4 (17.46)	428.4 (16.87)	190.5 (7.50)	226.5 (8.92)	274.5 (10.81)	584.2 (23.0)	25.4 (10.00)	129.7 (5.11)	190.5 (7.50)
100	543.8 (21.41)	528.8 (20.82)	190.5 (7.50)	237.4 (9.36)	285.7 (11.25)	711.2 (28.0)	25.7 (10.13)	177.0 (6.97)	190.5 (7.50)

WSRD Interlocked Receptacle

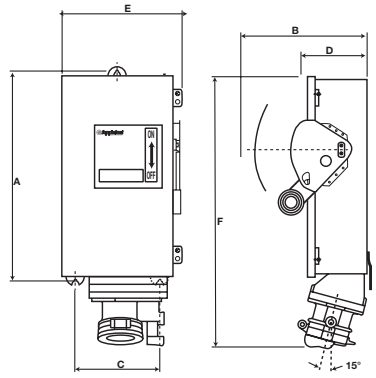
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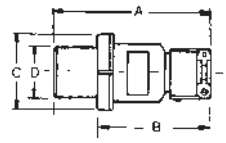
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Dimensions in Millimeters (Inches)

WSRD Interlocked Receptacle — Cutler Hammer — Sheet Metal



ACP Plug



Amp	No. Poles	A	B	C	D
30	2,3,4	152.4 (6.00)	120.6 (4.75)	79.5 (3.13)	47.2 (1.86)
60	4	198.3 (7.81)	125.4 (4.94)	96.7 (3.81)	64.7 (2.55)
100	4	266.7 (10.50)	168.4 (6.63)	107.9 (4.25)	69.0 (2.72)