

HEAVY-DUTY DOUBLE-THROW SWITCHES

SERIES 4 SWITCHES LISTED BELOW ARE RATED 100% CAPACITY, CONTINUOUS DUTY

MANUAL, 600 VAC RATED, NOT-FUSED, WITH CENTER-OFF POSITION

Series 4 switches provide economical, reliable, and safe transfer of low-voltage loads between main power and an auxiliary source.

Heavy-duty double-throw switches come standard in a NEMA Type 4/12 powder-coated steel wall-mount enclosure; 4X(316) stainless steel enclosures are also available.

The compact mechanism is completely enclosed, and the rotary operator handle is mounted on the door and lockable in three positions: On Line, Off, and On Auxiliary.

Available for single-phase and three-phase power. All 2-pole and 3-pole models have a solid neutral bar, and 4-pole models have a switched neutral on the fourth pole.

Lugs are factory installed for connection to switch poles.







Factory-installed auxiliary contacts for remote ON/OFF signaling or electrical interlocking.

Caution: Do not switch between sources with motor loads operating.

Catalog Number	Current	Poles	UL98 Listed	SUSE Rated*	Approx. Weight
4102SE*	100A	2	Yes	Yes	67 lbs.
4103SE*		3	Yes	Yes	69 lbs.
4104		4	Yes	-	71 lbs.
4202SE*	200A	2	Yes	Yes	78 lbs.
4203SE*		3	Yes	Yes	80 lbs.
4204		4	Yes	-	82 lbs.
4402SE*	400A	2	Yes	Yes	200 lbs.
4403SE*		3	Yes	Yes	202 lbs.
4404		4	Yes	-	204 lbs.
4603SE*	600A	3	Yes	Yes	320 lbs.
4604		4	Yes	-	323 lbs.
4803SE*	800A	3	Yes	Yes	407 lbs.
4804		4	Yes	-	410 lbs.
4903	1200A	3	Yes	-	415 lbs.
4904		4	Yes	-	419 lbs.

Note: *SE stands for Suitable for Use as Service Equipment.

WIRE RANGES

Catalog Number	Current	Lug Connections (Line, Auxiliary, Load, Neutral)	Wires Allowed per Lug	Lugs per Pole	Lug Image
4102SE	100A	#6 - 300 MCM Cu/Al	1	1	
4103SE					
4104					
4202SE	200A	#6 - 300 MCM Cu/Al	1	1	
4203SE					
4204					
4402SE	400A	#4 - 600 MCM Cu/Al or 1/0 - 250 MCM Cu/Al	1 or 2	1	
4403SE					
4404					
4603SE	600A	#2 - 600 MCM Cu/Al	2	1	
4604					
4803SE	800A	#2 - 600 MCM Cu/Al	2	2	
4804					
4903	1200A	#2 - 600 MCM Cu/Al	2	2	
4904					



AUXILIARY CONTACTS

81 - COM
82 - NC POS I - LINE
84 - NO

91 - COM
92 - NC POS II - LINE
94 - NO

AUXILIARY DRY CONTACTS

14 - 16 AWG 600V

General Use 10A
250 Vac Max
1 min. 100mA

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DIMENSIONS OF NEMA 4/12 ENCLOSURES (IN INCHES)

Figure 1. 100A to 600A

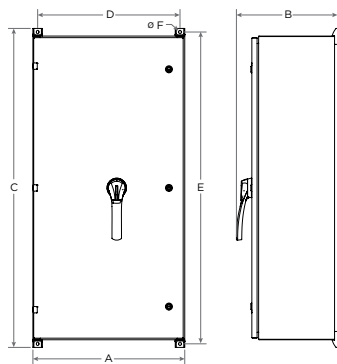
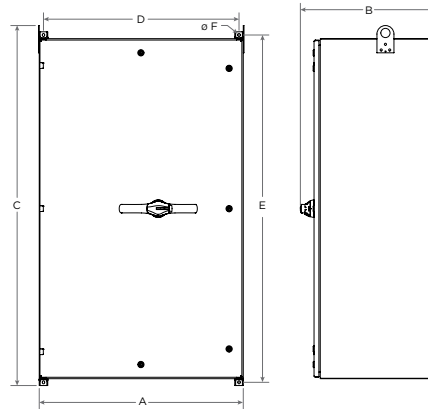


Figure 2. 800A to 1200A



DIMENSIONS BY MODEL

Catalog Number	Current	Figure #	A	B	C	D	E	F
4102SE	100A	1	20	13-3/8	26-7/16	18-1/2	25-5/16	7/16
4103SE								
4104								
4202SE	200A	1	20	13-3/8	32-7/16	18-1/2	31-5/16	7/16
4203SE								
4204								
4402SE	400A	1	24	20	50-7/16	22-1/2	49-5/16	7/16
4403SE								
4404								
4603SE	600A	1	36	24-1/16	50-7/16	34-1/2	49-5/16	7/16
4604								
4803SE	800A	2	36	24	63-1/2	34-1/2	61-5/16	7/16
4804								
4903	1200A	2	36	24	63-1/2	34-1/2	61-5/16	7/16
4904								

SERVICE EQUIPMENT BONDING

When the switch is used as Service Equipment, the Bonding Jumper must be installed connecting the Neutral Assembly to the Panel. Reference Article 230 of NFPA 70® / National Electrical Code® for information on Service Installations. Per 230-91, when the Service Overcurrent Device is not an integral part of the Service Disconnecting Means, it "shall be located immediately adjacent thereto". Reference Article 250 for information on grounding and bonding.

For 100-200 Amp units, use the included bonding braid and #10-32 ground screws.

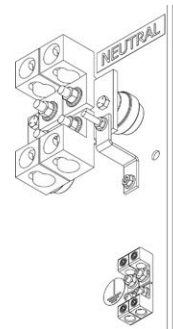
Torque: 30in-lbs.

For 400 Amp units, use the included copper bus bar and 1/4-20 serrated nuts.

Torque: 75in-lbs.

For 600-800 Amp units, use the included copper bus bar and 3/8-16 serrate nuts.

Torque: 240in-lbs.



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