

The ASCO Service Entrance Power Transfer Switch combines automatic power switching with the disconnecting, grounding, and bonding required for use as service entrance equipment. It meets all National Electrical Code® requirements for service entrance use.



ASCO SERIES 300
SE Rated 800 ampere Type 1 enclosure

ASCO SERIES 300
SE Rated 200 ampere in Type 3R enclosure

Product Features:

Size available from 70 - 3000 amp , 600 VAC, 50 or 60 Hz , single or 3-phase

70 - 400 Ampere listed to UL 1008

600 - 3000 Ampere listed to UL 891

Automatic Transfer Switch listed to UL 1008 for total load

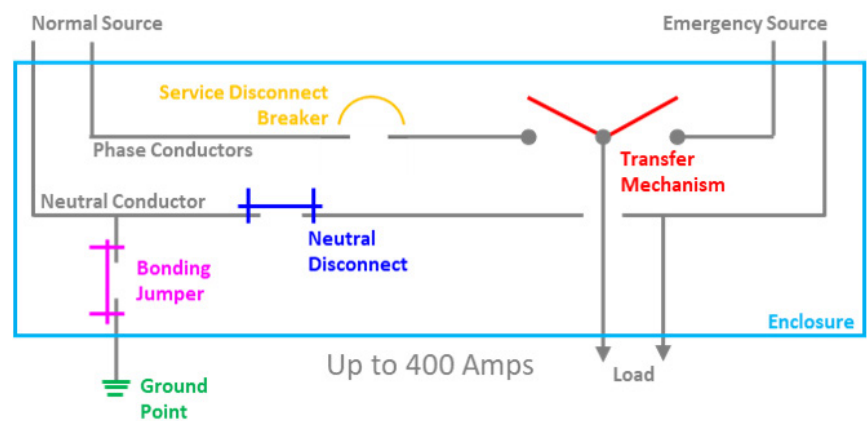
Silver plated copper ground and neutral bus in holder to create permanent

Ground fault trip protection provided on 1000 amp and above

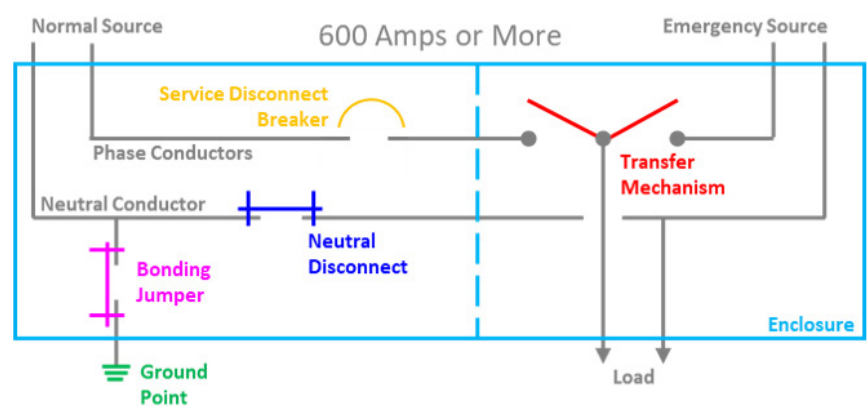
Available in hollow or solid neutral

Construction

Product 400 ampere or less, will be a single enclosure, including a service disconnect circuit breaker, a power transfer switch and grounding and bonding provision.



Product 600 ampere and above provide a service equipment enclosure containing the service disconnect circuit breaker and a grounding and bonding provision. A second enclosure contains the power transfer switch.



For additional detail, see the [interactive 3-D view](#) in the [ASCO Digital Hub](#).

Order Information

To order an ASCO SERIES 300SE Power Transfer Switch, complete the following catalog number:

J	03AUS	B	3	0600	N	GX	C
Frame	Product Type	Neutral Code	Phase Pole	Ampere Configuration Rating	Voltage Code	Controller Code	Enclosure
D = 70 - 225 Amp	03AUS = Automatic	A = Solid Neutral	2	0070, 0100, 0150, 0200,	A = 115 B = 120 C = 208 D = 220 E = 230 F = 240 H = 380 J = 400 K = 415 L = 440 M = 460 N = 480 P = 550 Q = 575 R = 600	G = No Optional Accessories GX = Optional Accessories	C = Type 1 (Standard) M = Type 3R Secure Durable Door N = Type 4 Secure Durable Door P = Type 4X ^{6,8} Secure Durable Door 304 SS Q = Type 12 ² Secure Durable Door R = Type 3RX ^{6,8} Secure Durable Door 316 SS S = Type 3RX ^{6,8} Secure Durable Door 304 SS V = Type 4X ^{6,8} Secure Durable Door 316 SS
J = 150 - 600 Amp	03NUS = Non-Automatic	B = Switched Neutral	3	0225, 0250, 0400, 0600, 0800, 1000, 1200, 1600, 2000, 2500, 3000			
H = 800 - 1200 Amp	3ADUS = Automatic Delayed Transition						
G = 1600 - 3000 Amp	3NDUS = Non-Automatic Delayed Transition						

Notes:

1. 115-120 volt available 150-400 ampere for 3AUS, 3NUS only.

2. Available for 70-1600 ampere, except 3R for 2000-3000 ampere application.

3. Available neutral provided as standard.

4. 200, 225 ampere rated switch is available for either copper cable only. Refer to paragraph 310.15 of the NEC for additional information.

5. Type 316 stainless steel is the standard. It provides an improved reduction in corrosion of all and some chemical. It is the preferred choice for marine environment.

6. Available only on switch rated 1600, 2000, 2600 and 3000 ampere.

7. J 150-225 ampere for Series 3ADUS/3NDUS only.

8. Available only on switch rated 70 - 1600 ampere.

ASCO SERIES 300SE Power Transfer Switch Dimensions and Shipping Weight

UL Type 1 Enclosure⁴

Switch Rating Amp	Phase Pole	Neutral Code	Dimensions, In. (mm)			Approx. Shipping Weight Lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225	2	A	36 (914)	48 (1219)	13 (330)	400 (185)
	2	B	36 (914)	48 (1219)	13 (330)	410 (189)
	3	A	36 (914)	48 (1219)	13 (330)	410 (189)
	3	B	36 (914)	48 (1219)	13 (330)	430 (198)
150, 200, 225, SERIES 3ADUS/3NDUS Only	2	A	36 (914)	48 (1219)	13 (330)	400 (185)
	2	B	36 (914)	48 (1219)	13 (330)	408 (188)
	3	A	36 (914)	48 (1219)	13 (330)	408 (188)
	3	B	36 (914)	48 (1219)	13 (330)	420 (193)
250, 400	2	A	42 (1067)	48 (1219)	15.5 (394)	420 (193)
	2	B	42 (1067)	48 (1219)	15.5 (394)	430 (198)
	3	A	42 (1067)	48 (1219)	15.5 (394)	430 (198)
	3	B	42 (1067)	48 (1219)	15.5 (394)	450 (207)
600	2	A	38 (965)	91 (2311)	28 (711)	860 (396)
	2	B	38 (965)	91 (2311)	28 (711)	870 (401)
	3	A	38 (965)	91 (2311)	28 (711)	870 (401)
	3	B	38 (965)	91 (2311)	28 (711)	880 (405)
800	2	A	38 (965)	91 (2311)	28 (711)	1460 (673)
	2	B	38 (965)	91 (2311)	28 (711)	1470 (677)
	3	A	38 (965)	91 (2311)	28 (711)	1470 (677)
	3	B	38 (965)	91 (2311)	28 (711)	1480 (682)
1000, 1200	2	A	38 (965)	91 (2311)	48 (1218)	1460 (673)
	2	B	38 (965)	91 (2311)	48 (1218)	1470 (677)
	3	A	38 (965)	91 (2311)	48 (1218)	1470 (677)
	3	B	38 (965)	91 (2311)	48 (1218)	1480 (682)
1600, 2000	3	A	38 (965)	91 (2311)	48 (1218)	1580 (727)
	3	B	38 (965)	91 (2311)	48 (1218)	1680 (773)
2500, 3000	3	A	38 (965)	91 (2311)	72 (1829)	4590 (2111)
	3	B	38 (965)	91 (2311)	72 (1829)	4690 (2157)

- Notes:**
1. Units designed for open and bottom cable entrance for all enclosure and load.
 2. Enclosure for 600-3000 amp are free standing.
 3. A space heater accessory 44G is required in all enclosure (Type 3R) if the operator needs to condition air and protect the circuit breaker. It is recommended when environment enclosure (Type 4, 12) are ordered for installation outdoors. See Optional Accessories page for space heater options (acc. 44G).
 4. Dimensions do not include standard break-out change. Certified dimensions available upon request.

SERIES 300SE External Power Connections
Sizes UL-Listed Solderless Screw-Type Terminals

Switch Rating	Ranges of AL-CU Wire Sizes
70, 100, 150, 200, 225	One #14 0/4 AWG
150, 200, 225, 250, 400	One #4 AWG or 600 MCM Type 1/0 or 250 MCM
600	Type 1/0 or 600 MCM
800, 1000, 1200	Four 1/0 or 600 MCM
1600, 2000	Six 1/0 or 600 MCM
2500	Twelve 3/0 or 750 MCM
3000	Twelve 3/0 or 750 MCM

- Notes:**
1. All SERIES 300SE enclosures are furnished in a solid neutral plane (single ended neutral configuration specified) and terminal lug.
 2. 200 and 225 ampere rated enclosures for single copper cable only. Refer to paragraph 310.15 of the NEC for all additional information.
 3. J 150-225 ampere for SERIES 3ADUS/3NDUS only.
 4. Use wire rated 75 degree minimum for all power connection.
 5. Refer to the wiring diagram for maximum power cable connection for circuit breaker.

UL Type 3R Enclosure⁴

Switch Rating Amp	Phase Pole	Neutral Code	Dimensions, In. (mm)			Approx. Shipping Weight Lb. (kg)
			Width	Height	Depth	
70, 100, 150, 200, 225	2	A	36 (914)	48 (1219)	16 (406)	500 (232)
	2	B	36 (914)	48 (1219)	16 (406)	520 (241)
	3	A	36 (914)	48 (1219)	16 (406)	520 (241)
	3	B	36 (914)	48 (1219)	16 (406)	530 (246)
150, 200, 225, SERIES 3ADUS/3NDUS Only	2	A	41 (1041)	95.5 (2424)	33 (838)	500 (232)
	2	B	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	A	41 (1041)	95.5 (2424)	33 (838)	520 (241)
	3	B	41 (1041)	95.5 (2424)	33 (838)	530 (246)
250, 400	2	A	42 (1067)	48 (1219)	18 (487)	500 (232)
	2	B	42 (1067)	48 (1219)	18 (487)	520 (241)
	3	A	42 (1067)	48 (1219)	18 (487)	520 (241)
	3	B	42 (1067)	48 (1219)	18 (487)	530 (246)
600	2	A	41 (1041)	95.5 (2425)	33 (838)	1200 (555)
	2	B	41 (1041)	95.5 (2425)	33 (838)	1220 (564)
	3	A	41 (1041)	95.5 (2425)	33 (838)	1220 (564)
	3	B	41 (1041)	95.5 (2425)	33 (838)	1240 (574)
800	2	A	38 (965)	91 (2311)	28 (711)	1520 (703)
	2	B	38 (965)	91 (2311)	28 (711)	1540 (712)
	3	A	38 (965)	91 (2311)	28 (711)	1540 (712)
	3	B	38 (965)	91 (2311)	28 (711)	1580 (731)
1000, 1200	2	A	38 (965)	91 (2311)	48 (1218)	1520 (703)
	2	B	38 (965)	91 (2311)	48 (1218)	1540 (712)
	3	A	38 (965)	91 (2311)	48 (1218)	1540 (712)
	3	B	38 (965)	91 (2311)	48 (1218)	1580 (731)
1600, 2000	3	A	38 (965)	91 (2311)	48 (1218)	2200 (1018)
	3	B	38 (965)	91 (2311)	48 (1218)	2240 (1036)
2500, 3000	3	A	38 (965)	91 (2311)	72 (1829)	5280 (2479)
	3	B	38 (965)	91 (2311)	72 (1829)	5380 (2475)

Extended Warranties for SERIES 300SE Transfer Switches
(3AUS/3NUS/3ADUS/3NDUS)

Description
1 Year Extension (Total of 3 Year)
2 Year Extension (Total of 4 Year)
3 Year Extension (Total of 5 Year)

- Notes:**
1. Standard warranty is (24) months, 2 year from date of shipment, extended warranty in addition to the 2 year, for a total of 3, 4 or 5 year, depending where the warranty period for the circuit breaker shall be limited to 24 months from date of shipment from ASCO.
 2. Refer to Publication 3223 for warranty terms and conditions.

SERIES 300SE AIC Breaker Rating¹

Switch Rating	AIC Rating (KA)	Voltage
70, 100, 150, 200, 225	25,000	480
150, 200, 225 SERIES 3ADUS/3NDUS Only	35,000	480
250, 400, 600	35,000	480
800	65,000	480
1000, 1200	50,000	480
1600, 2000	65,000	480
2500, 3000	100,000	480

- Notes:**
1. Refer to SERIES 300 Publication 1195 for switching.