



ASCO Power Technologies™

ASCO 7000 SERIES
Power Transfer Switches
Technical Data and Ordering
Information

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ASCO 7000 SERIES ORDERING INFORMATION

To order an ASCO 7000 SERIES Power Transfer Switch, complete the following catalog number:

J	+	07ATS	+	A	+	3	+	0600	+	N	+	5X	+	C
Frame	Transition Type		Neutral Code	Phase Poles	Amperes	Voltage Code	Group Code	Enclosure						
D ¹ = 30A-230A ATS/NTS/MTS Only	Automatic 07ATS Automatic, Conventional 2 - position		0 = No Neutral	2	0030	A = 115	50 No Optional Accessories	0 = Open Type (zero)						
J = 150A-600A	7ACTS Automatic, Closed Transition		A = Solid Neutral	3	0070	B = 120	5X Optional Accessories	C = Type 1 Enclosure						
H = 800A-1200A	7ADTS Automatic, Delayed Transition		B² = Switched Neutral		0100	C = 208		F = Type 3R ³ Enclosure						
G = 1600A-4000A	7ADTS Automatic, Delayed Transition		B² = Switched Neutral		0150	D = 220		G = Type 4 Enclosure						
	07ATB Automatic, Open Transition Bypass		C = Overlapping Neutral		0200 ¹	E = 230	5Z VATS	H = Type 4X ⁴ Enclosure						
	7ACTB Automatic, Closed Transition Bypass				0230 ¹	F = 240	5D VATS with Distribution Breakers	L = Type 12 Enclosure						
	7ADTB Automatic, Delayed Transition Bypass				0260	H = 380		M = Type 3R ³ Secure Double Door ⁵ Enclosure						
	Non-Automatic 07NTS Non Automatic, Conventional 2 - position				0400	J = 400		N = Type 4 Secure Double Door ⁵ Enclosure						
	07MTS Non Automatic, Conventional 2 - position				0600	K = 415		P = Type 4 Secure Double Door ⁵ Enclosure						
	7NCTS Non Automatic, Closed Transition				0800	L = 440		P = Type 4X ⁴ Secure Double Door ⁵ Enclosure						
	7NDTS Non Automatic Delayed Transition				1000	M = 460		Q = Type 12 Enclosure Double Door ⁵ Enclosure						
	7NTB Non Automatic, Open Transition Bypass				1200	N = 480		R = Type 3RX ⁴ Secure Double Door ⁵ Enclosure						
	7NCTB Non Automatic, Closed Transition Bypass				1600	P = 550		S = Type 3RX Secure Double Door ⁵ Enclosure (316 Stainless Steel)						
	7NDTB Non Automatic, Delayed Transition Bypass				2000	Q = 575		U = Type 4X Enclosure (316 Stainless Steel)						
					2600	R = 600		V = Type 4X Secure Double Door ⁵ Enclosure (316 Stainless Steel)						
					3000									
					4000									

Notes:

1. 200 and 230 amp switch limited to 480 volts maximum, for D7ATS only.
2. Conventional switched neutral is provided on closed and delayed transition transfer products when specified.
3. Type 3R enclosures are not suitable for installations likely to experience windblown snow or rain conditions.
4. Type 304 stainless steel is standard. To provide an improved reduction in corrosion in salt or marine environments, specify optional type 316 stainless steel.
5. Double door enclosures are door over internal dead front panels/doors. All controls are mounted on internal panel/door. External door is pad-lockable for secure applications.

A comprehensive ASCO Limited Guardian Warranty covers 7000 SERIES Power Transfer Switch(s) and warranties the product to be free of defects in material and workmanship from date of shipment. The warranty provides:

- 2 years for labor and travel expenses (extendable in 1 year increments up to 5 years for a nominal fee).
- 5 years for parts (2 years for circuit breakers).
- 10 years for main contacts.

Refer to Publication 3227 for warranty details, terms and conditions.

The Example Catalog Number above is J07ATSA30600N5XC

ASCO 7000 SERIES ORDERING INFORMATION — POWER CONNECTION DETAILS

Transfer Switch Configurations 7ATS, 7NTS, 7ADTS, 7ACTS, 7NDTS, 7NCTS

Sizes of UL-Listed Solderless Screw-Type Terminals for External Power Connections

Switch Rating Amps	Max # of Conductors per Terminal	Range of AL-CU Conductor Sizes	
		Open Type	Enclosed Type
D ¹ Frame 30-230A ATS & NTS Only	One	#14 to 4/0 AWG	#14 to 4/0 AWG
J Frame 150 - 400A	One	#4 AWG to 600 MCM	#4 AWG to 600 MCM
	Two	#1/0 AWG to 600 MCM	#1/0 AWG to 600 MCM
J Frame 600A	Two	#1/0 AWG to 600 MCM	#1/0 AWG to 600 MCM
H Frame 600A	Two	#1/0 AWG to 600 MCM	#1/0 AWG to 600 MCM
H Frame 800 - 1200A	Four	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 1000 - 1200A	Four	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 1600 - 2000A	Six	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 2600 - 4000A ²	Twelve	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM

Notes:

1. 200 and 230 amp rating for copper conductors only for transfer switch configurations only.
2. All main terminals are rear connected.

Transfer Switch Configurations 7ATB, 7NTB, 7ADTB, 7ACTB, 7NDTB, 7NCTB

Sizes of UL-Listed Solderless Screw-Type Terminals for Power Connections

Switch Rating Amps	Max # of Conductors per Terminal	Range of AL-CU Conductor Sizes	
		Open Type	Enclosed Type
J Frame 150 - 400A	One	#4 AWG to 600 MCM	#4 AWG to 600 MCM
	Two	#1/0 AWG to 600 MCM	#1/0 AWG to 600 MCM
J Frame 600A	Two	#2 AWG to 600 MCM	#2 AWG to 600 MCM
H Frame (Front & Rear Connected) 600A	Two	#2 AWG to 600 MCM	#2 AWG to 600 MCM
H Frame (Front Connected) 800 - 960A	Three	#1/0 AWG to 600 MCM	#1/0 AWG to 600 MCM
H Frame (Rear Connected) 800 – 1200A	Four	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 1000 - 1200A ¹	Four	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 1600 – 2000A ¹	Six	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 2600 – 3000A ¹	Ten	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 4000A ¹	Twelve	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM

Notes:

1. All main terminals are rear connected

ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE

Automatic Transfer Switching – Open Transition: 7ATS, 7NTS, 7MTS (Non-Bypass)

Dimensions and Shipping Weights*

Frame	Switch Ratings Amp	Neutral Type & Poles	Type 1 Enclosure ¹				Open Switch Configuration			
			Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)	Width In (mm)	Height In (mm)	Depth In (mm)	Open ² lb (kg)
D	30, 70, 100	02 or A2	18 (457)	48 (1219)	13 (330)	70 (32)	10 (260)	10 (260)	5.5 (140)	30 (14)
		03 or A3				80 (36)				35 (16)
		B3 or C3				85 (39)				40 (18)
D	150, 200, 230	02 or A2	18 (457)	48 (1219)	13 (330)	115 (52)	10 (260)	10 (260)	5.5 (140)	35 (16)
		03 or A3				120 (55)				40 (18)
		B3 or C3				130 (59)				45 (21)
J	150, 260, 400	02 or A2	24 (610)	56 (1422)	14 (356)	270 (123)	19 (470)	25 (635)	8 (203)	220 (100)
		03 or A3				280 (128)				230 (105)
		B3 or C3				290 (132)				240 (109)
J	600	02 or A2	24 (610)	63 (1600)	17 (432)	270 (123)	19 (470)	30 (762)	10 (251)	260 (119)
		03 or A3				280 (128)				270 (123)
		B3 or C3				290 (132)				280 (128)
H	600, 800, 1000	02 or A2	34 (864)	72 (1829)	20 (508)	470 (214)	27 (686)	31 (787)	13 (327)	260 (119)
		03 or A3				480 (219)				270 (123)
		B3 or C3				490 (223)				280 (128)
H	1200	02 or A2	38 (965)	87 (2210)	23 (584)	670 (308)	27 (686)	31 (787)	13 (327)	300 (137)
		03 or A3				680 (310)				310 (141)
		B3 or C3				690 (315)				320 (146)
G	1000, 1600 ³ , 2000 ³	02 or A2	38 (965)	91 (2311)	48 (1219)	1330 (606)	33 (845)	28 (711)	26 (667)	450 (205)
		03 or A3				1350 (616)				470 (214)
		B3 or C3				1400 (638)				500 (228)
G	1600, 2000 (Front Connected) ⁴	02 or A2	38 (965)	87 (2210)	23(584)	1300 (590)	33 (845)	28 (711)	26 (667)	450 (205)
		03 or A3				1345 (612)				470 (214)
		B3 or C3				1390 (635)				500 (228)
G	2600 ³ , 3000 ³	02 or A2	38 (965)	91 (2311)	60 (1524)	2150 (980)	33 (845)	29 (711)	31 (781)	890 (406)
		03 or A3				2180 (994)				920 (420)
		B3 or C3				2230 (1017)				1000 (456)
G	4000 ³	02 or A2	60 (1524)	92 (2311)	72 (1829)	2250 (1026)	60 (1524)	70 (1778)	53 (1272)	990 (451)
		03 or A3				2280 (1040)				1020 (465)
		B3 or C3				2330 (1062)				1100 (502)

Notes:

1. Consult ASCO for dimensions on enclosures other than UL type 1.
2. Open weights include transfer switch and controller. 1200-4000 amp enclosures require ventilation openings, refer to drawing for details.
3. Enclosures are free-standing with removable top, sides, and back.
4. Order accessory 40MY for 1600A and 40NY for 2000A Front Connected (F/C) design.

*All dimensions and weights shown are approximate and should not be used for construction purposes. Verified dimensions can be furnished upon request.

ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE

Automatic Transfer Switching – Closed and Delayed Transition: 7ACTS, 7ADTS, 7NCTS, 7NDTS

Dimensions and Shipping Weights*

Frame	Switch Ratings Amp	Neutral Type & Poles	Type 1 Enclosure ¹				Open Switch Configuration ²			
			Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)	Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)
J	150, 200, 230, 260, 400	03	24 (610)	56 (1422)	14 (356)	320 (146)	18.5 (470)	25 (635)	8 (203)	220 (100)
		B3				330 (150)				230 (105)
J	600	03	24 (610)	63 (1600)	17 (432)	380 (173)	19 (483)	30 (762)	10 (251)	260 (119)
		B3				390 (178)				270 (123)
H	600, 800, 1000	03	34 (864)	72 (1829)	20 (508)	480 (219)	27 (686)	31 (787)	13 (327)	360 (164)
		B3				490 (223)				370 (169)
H	1200	03	38 (965)	87 (2210)	23 (584)	680 (310)	27 (686)	31 (787)	13 (327)	360 (164)
		B3				690 (315)				380 (173)
G	1000, 1600 ³ , 2000 ³	03	38 (965)	91 (2311)	48 (1219)	1350 (616)	33 (845)	28 (711)	26 (667)	580 (264)
		B3				1400 (638)				600 (274)
G	1600, 2000 (Front Connected) ⁴	03	38 (965)	87 (2210)	23.5 (597)	1345 (612)	33 (845)	28 (711)	26 (667)	580 (264)
		B3				1390 (635)				600 (274)
G	2600 ³ , 3000 ³	03	38 (965)	91 (2311)	60 (1524)	2180 (994)	33 (845)	29 (711)	31 (781)	1060 (483)
		B3				2230 (1017)				1100 (502)
G	4000 ³	03	60 (1524)	92 (2311)	72 (1829)	2290 (1044)	60 (1524)	70 (1778)	53 (1272)	1060 (483)
		B3				2380 (1085)				1140 (520)

Notes:

1. Consult ASCO for dimensions on enclosures other than UL type 1.
2. Open weights include transfer switch and control panel. 1200-4000 amp enclosures require ventilation openings, refer to drawings for details.
3. Enclosures are free-standing with removable top, sides, and back.
4. Order accessory 40MY for 1600A and 40NY for 2000A front connected design.

*All dimensions and weights shown are approximate and should not be used for construction purposes. Verified dimensions can be furnished upon request

ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE

Automatic Transfer Bypass-Isolation – Open Transition: 7ATB, 7NTB

Dimensions and Shipping Weights*

Frame	Switch Ratings Amp	Neutral Type & Poles	Type 1 Enclosure ¹				Open Switch Configuration ²			
			Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)	Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)
J	150, 200, 230, 260, 400 (Front Connected)	02 or A2	34 (864)	85 (2159)	28 (711)	1230 (561)	34 (864)	85 (2159)	28 (711)	1100 (502)
		03 or A3				1240 (565)				1110 (506)
		B3 or C3				1260 (575)				1130 (515)
J	600 (Front Connected)	02 or A2	34 (864)	85 (2159)	28 (711)	1290 (588)	34 (864)	85 (2159)	28 (711)	1190 (543)
		03 or A3				1300 (593)				1200 (547)
		B3 or C3				1320 (602)				1220 (556)
H	600, 800 (Front Connected) ³	03 or A3	38 (965)	91 (2311)	32 (813)	1400 (638)	38 (965)	72 (1829)	38 (965)	1260 (575)
		B3 or C3				1420 (648)				1280 (584)
H	1000, 1200 (Front Connected) ³	03 or A3	38 (965)	91 (2311)	34 (864)	1430 (650)	38 (965)	72 (1829)	38 (965)	1290 (588)
		B3 or C3				1450 (659)				1310 (597)
H	600, 800, 1000 (Rear Connected)	03 or A3	38 (965)	91 (2311)	48 (1219)	1720 (784)	38 (965)	72 (1829)	38 (965)	1260 (575)
		B3 or C3				1740 (793)				1280 (584)
H	1200 (Rear Connected) ⁴	03 or A3	38 (965)	91 (2311)	48 (1219)	1820 (830)	38 (965)	72 (1829)	38 (965)	1290 (588)
		B3 or C3				1840 (839)				1310 (597)
G	1000, 1600, 2000 (Front Connected) ³	03 or A3	38 (965)	91 (2311)	60 (1524)	2360 (1076)	38 (965)	72 (1829)	38 (965)	1500 (684)
		B3 or C3				2540 (1158)				1680 (766)
G	2600, 3000 (Rear Connected) ⁴	03 or A3	38 (965)	91 (2311)	72 (1829)	2730 (1245)	38 (965)	72 (1829)	38 (965)	1690 (771)
		B3 or C3				3360 (1532)				2290 (1044)
G	4000 (Rear Connected) ⁴	03 or A3	60 (1524)	92 (2311)	96 (2438)	6300 (2873)	60 (1524)	91 (2311)	96 (2438)	Contact ASCO
		B3 or C3				6900 (3146)				Contact ASCO

Notes:

1. Handles extend 6-1/4 inches (159mm).
2. Open weights include transfer switch, bypass-isolation switch and controller. 1600-4000 amp enclosures require ventilation openings, refer to drawings for details.
3. Specify optional accessory 40J Y for 800 Amp front, 40KY for 1000 Amp, and 40LY for 1200 Amp - front connected arrangement. All service and load cables limited to top entry only.
4. Recommended clearance to enclosure: 3 feet (914mm) from rear, 4 feet (1219mm) from front (25 inches required for transfer switch draw out). Side or rear access required.

*All dimensions and weights shown are approximate and should not be used for construction purposes. Verified dimensions can be furnished upon request.

ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE

Automatic Transfer Bypass-Isolation: Closed and Delayed Transition: 7ACTB, 7ADTB, 7NCTB, 7NDTB

Dimensions and Shipping Weights*

Frame	Switch Ratings Amp	Neutral Type & Poles	Type 1 Enclosure ¹				Open Switch Configuration ²			
			Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)	Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)
J	150, 200, 230, 260, 400 (Front Connected)	02 or A2	34 (864)	85 (2159)	28 (711)	1255 (572)	34 (864)	85 (2159)	28 (711)	1125 (513)
		03 or A3				1265 (577)				1135 (518)
		B3 or C3				1285 (586)				1155 (527)
J	600 (Front Connected)	02 or A2	34 (864)	85 (2159)	28 (711)	1315 (600)	34 (864)	85 (2159)	28 (711)	1215 (554)
		03 or A3				1325 (604)				1225 (559)
		B3 or C3				1345 (613)				1245 (568)
H	600 ³ , 800 ³ (Front Connected)	03 or A3	38 (965)	91 (2311)	32 (813)	1425 (650)	38 (965)	72 (1829)	38 (965)	1285 (586)
		B3 or C3				1445 (659)				1280 (595)
H	1000 ³ , 1200 ³ (Front Connected)	03 or A3	38 (965)	91 (2311)	34 (864)	1425 (650)	38 (965)	72 (1829)	38 (965)	1315 (600)
		B3 or C3				1445 (659)				1335 (609)
H	600 ⁴ , 800 ⁴ , 1000 ⁴ (Rear Connected)	03 or A3	38 (965)	91 (2311)	48 (1219)	1745 (796)	38 (965)	72 (1829)	38 (965)	1285 (586)
		B3 or C3				1765 (805)				1280 (595)
H	1200 ⁴ (Rear Connected)	03 or A3	38 (965)	91 (2311)	48 (1219)	1845 (841)	38 (965)	72 (1829)	38 (965)	1315 (600)
		B3 or C3				1865 (850)				1335 (609)
G	1000, 1600 ⁴ , 2000 ⁴ (Rear Connected)	03 or A3	38 (965)	91 (2311)	60 (1524)	2385 (1088)	38 (965)	72 (1829)	38 (965)	1525 (695)
		B3 or C3				2565 (1170)				1705 (777)
G	2600 ⁴ , 3000 ⁴ (Rear Connected)	03 or A3	38 (965)	91 (2311)	72 (1829)	2755 (1256)	38 (965)	72 (1829)	38 (965)	1715 (782)
		B3 or C3				3385 (1544)				2315 (1056)
G	4000 ⁴ (Rear Connected)	03 or A3	60 (1524)	91 (2311)	96 (2438)	6325 (2884)	60 (1524)	91 (2311)	96 (2438)	Contact ASCO
		B3 or C3				6925 (3158)				Contact ASCO

Notes:

1. Handles extend 6-1/4 inches (159mm).
2. Open weights include transfer switch, bypass-isolation switch and controller. 1600-4000 amp enclosures require ventilation openings, refer to drawings for details.
3. Specify optional accessory 40J Y for 800 Amp front, 40KY for 1000 Amp, and 40LY for 1200 Amp - connected arrangement. All service and load cables limited to top entry only.
4. Recommended clearance to enclosure: 3 feet (914mm) from rear, 4 feet (1219mm) from front (25 inches required for transfer switch draw out). Side or rear access required.

*All dimensions and weights shown are approximate and should not be used for construction purposes. Verified dimensions can be furnished upon request.

ASCO 7000 SERIES 30 CYCLE ORDERING INFORMATION

To order an ASCO 7000 SERIES Power Transfer Switch, complete the following catalog number:

P	+	07ATS	+	A	+	3	+	0600	+	N	+	5X	+	C
Frame	Transition Type	Neutral Code	Phase Poles	Amperes	Voltage Code	Group Code	Enclosure							
P = 600A - 800A ATS/CTS/DTS	Automatic 07ATS Automatic , Conventional 2 - position	0 = No Neutral	3	0600	A = 115	50 No Optional Accessories	0 = Open Type (zero)							
				0800	B = 120		C = Type 1 Enclosure							
P = 600A - 1200A ATB/ACTB/ADTB	7ACTS Automatic, Closed Transition	A = Solid Neutral	1000	1000	C = 208	5X Optional Accessories	M = Type 3R ² Secure Double Door ⁴ Enclosure							
				1200	D = 220		N = Type 4 Secure Double Door ⁴ Enclosure							
Q = 600A - 1600A	7ADTS Automatic, Delayed Transition	B ¹ = Switched Neutral	1600	1600	E = 230	5Z VATS	P = Type 4X ³ Secure Double Door ⁴ Enclosure							
S = 800A - 2000A	07ATB Automatic, Open Transition Bypass			2000	F = 240									
		G = 1600A - 4000A	7ACTB Automatic, Closed Transition Bypass	2600	H = 380	5D VATS with Distribution Breakers	Q = Type 12 Enclosure Double Door ⁴ Enclosure							
3000	J = 400													
U = 2600A - 4000A	7ADTB Automatic, Delayed Transition Bypass	Non-Automatic 07NTS Non Automatic, Conventional 2 - position	4000	4000	K = 415	R = 600	R = Type 3RX ^{2,3} Secure Double Door ⁴ Enclosure							
				7NCTS Non Automatic, Closed Transition	L = 440		S = Type 3RX ² Secure Double Door ⁴ Enclosure (316 Stainless Steel)							
				7NDTS Non Automatic, Delayed Transition	M = 460		V = Type 4X Secure Double Door ⁴ Enclosure (316 Stainless Steel)							
				7NTB Non Automatic, Open Transition Bypass	N = 480									
				7NCTB Non Automatic, Closed Transition Bypass	P = 550									
				7NDTB Non Automatic, Delayed Transition Bypass	Q = 575									

Notes:

1. Conventional switched neutral is provided on closed and delayed transition transfer products when specified.
2. Type 3R enclosures are not suitable for installations likely to experience windblown snow or rain conditions.
3. Type 304 stainless steel is standard. To provide an improved reduction in corrosion in salt or marine environments, specify optional type 316 stainless steel.
4. Double door enclosures are door over internal dead front panels/doors. All controls are mounted on internal panel/door. External door is pad-lockable for secure applications.

A comprehensive ASCO Limited Guardian Warranty covers 7000 SERIES Power Transfer Switch(s) and warranties the product to be free of defects in material and workmanship from date of shipment. The warranty provides:

- 2 years for labor and travel expenses (extendable in 1 year increments up to 5 years for a nominal fee).
- 5 years for parts (2 years for circuit breakers).
- 10 years for main contacts.

Refer to Publication 3227 for warranty details, terms and conditions.

The Example Catalog Number above is P07ATS30600N5XC

ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE

30 Cycle Automatic Transfer Switch (Non-Bypass) & Bypass - Isolation Switch

7ATS, 7NTS, 7ACTS, 7ADTS, 7NCTS, 7NDTS, 7ATB, 7NTB, 7ACTB, 7ADTB, 7NCTB, 7NTB

Dimensions and Shipping Weights*

Frame	Switch Ratings Amp	Switch Configuration	Type 1 Enclosure ^{1, 2}			
			Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)
P	600 - 800A (Front Connected ATS)	ATS/NTS	34 (864)	72 (1829)	20 (508)	470 (214)
		ACTS, ADTS, NCTS, NDTS				480 (219)
	600 - 800A (Front Connected BPS)	ATB/NTB	38 (965)	91 (2311)	48 (1219)	1420 (648)
		ACTB, ADTB, NCTB, NDTB				1445 (659)
Q	600 - 1600A (Front Connected ATS)	ATS/NTS	38 (965)	87 (2210)	23 (584)	1005 (458)
		ACTS, ADTS, NCTS, NDTS				1105 (504)
	600 - 1600A (Rear Connected BPS)	ATB/NTB	38 (965)	91 (2311)	60 (1524)	2385 (1086)
		ACTB, ADTB, NCTB, NDTB				2485 (1131)
S ³	800 - 2000A (Rear Connected ATS)	ATS/NTS	38 (965)	91 (2311)	60 (1524)	1645 (749)
		ACTS, ADTS, NCTS, NDTS				1745 (794)
	800 - 2000A (Rear Connected BPS)	ATB/NTB	38 (965)	87 (2210)	23.5 (597)	2890 (1318)
		ACTB, ADTB, NCTB, NDTB				2990 (1364)
G ³	1600 - 2000A (Front & Rear Connected ATS)	ATS/NTS	38 (965)	91 (2311)	48 (1219)	1350 (616)
		ACTS, ADTS, NCTS, NDTS				1400 (638)
	1600 - 2000A (Rear Connected BPS)	ATB/NTB	38 (965)	91 (2311)	60 (1524)	2385 (1088)
		ACTB, ADTB, NCTB, NDTB				2565 (1170)
	2600 - 3000A (Rear Connected ATS)	ATS/NTS	38 (965)	91 (2311)	60 (1524)	2180 (994)
		ACTS, ADTS, NCTS, NDTS				2230 (1017)
	2600 - 3000A (Rear Connected BPS)	ATB/NTB	60 (1524)	91 (2311)	72 (1829)	2930 (1329)
		ACTB, ADTB, NCTB, NDTB				3360 (1532)
	4000A (Rear Connected ATS)	ATS/NTS	60 (1524)	91 (2311)	72 (1829)	2290 (1044)
		ACTS, ADTS, NCTS, NDTS				2380 (1085)
	4000A (Rear Connected BPS)	ATB/NTB	60 (1524)	91 (2311)	96 (2438)	6325 (2884)
		ACTB, ADTB, NCTB, NDTB				6925 (3158)
U ³	2600 ¹ , 3000A ¹ (Rear Connected ATS)	ATS/NTS	60 (1524)	91 (2311)	72 (1829)	5200 (2373)
		ACTS, ADTS, NCTS, NDTS				5300 (2418)
	2600 ⁴ , 3000A ⁴ (Rear Connected BPS)	ATB/NTB	60 (1524)	91 (2311)	96 (2438)	6700 (3057)
		ACTB, ADTB, NCTB, NDTB				6725 (3069)
U ³	4000 A (Rear Connected ATS)	ATS/NTS	60 (1524)	91 (2311)	72 (1829)	5400 (2464)
		ACTS, ADTS, NCTS, NDTS				5600 (2555)
	4000A ⁴ (Rear Connected BPS)	ATB/NTB	60 (1524)	91 (2311)	96 (2438)	6900 (3149)
		ACTB, ADTB, NCTB, NDTB				6925 (3160)

Notes:

1. Consult ASCO for dimensions on enclosure other than UL Type 1.
2. For Bypass-Isolation Switches Only: handles extend 6-1/4 inches (159 mm).
3. Enclosures are free standing with removable top, sides and back.
4. Recommended clearance to enclosure: 3 feet (914 mm) from rear, 4 feet (1219 mm) from front (25 inches required for transfer switch draw out).

30 Cycle Automatic Transfer Switch Configurations

7ATS, 7NTS, 7ACTS, 7ADTS, 7NCTS, 7NDTS, 7ATB, 7NTB, 7ACTB, 7NCTB, 7ADTB, 7NDTB

Sizes of UL - Listed Solderless Screw - Type Terminals for External Power Connections

Switch Rating Amps	Max # of Conductors per Terminal	Range of AL-CU Conductor Sizes	
		Open Type	Enclosed Type
P Frame 600A	Two	#2 AWG to 600 MCM	#2 AWG to 600 MCM
P Frame 800 - 1200A	Four	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
Q Frame 600 - 1200A	Four	300 MCM to 600 MCM	300 MCM to 600 MCM
Q Frame 1600A	Six	300 MCM to 600 MCM	300 MCM to 600 MCM
S Frame 800 - 1200A	Four	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
S Frame 1600 - 2000	Six	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 1600 - 2000A	Six	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
G Frame 2600 - 3000A	Ten	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM
U Frame 2600 - 4000 ²	Twelve	#1/0 AWG to 750 MCM	#1/0 AWG to 600 MCM

Notes:

1. Unit is designed for top cable entry of emergency and load and bottom entry of normal
2. All main terminals are rear connected.

* All dimensions and weights shown are approximate and should not be used for construction purposes. Verified dimensions can be furnished upon request.

ASCO 7000 SERIES SERVICE ENTRANCE POWER TRANSFER SWITCHES ORDERING INFORMATION

To order an ASCO 7000 SERIES Power Transfer Switch, complete the following catalog number:

Frame	Transition Type	Neutral Code	Phase Poles	Amperes	Voltage Code	Group Code	Enclosure
D = 70A - 225A AUS/NUS Only	Automatic 07AUS Automatic, Conventional 2 - position	A = Solid Neutral	2	0070	A = 115	50 No Optional Accessories	C = Type 1 Enclosure
J = 150A - 600A, 200A, 225A ADUS/NDUS and ACUS/NCUS Only	7ACUS Automatic, Closed Transition	B ¹ = Switched Neutral	3	0100	B = 120	5X Optional Accessories	M = Type 3R ² Secure Double Door ⁵ Enclosure
	7ADUS Automatic, Delayed Transition		C = Overlapping Neutral	0150	0200		C = 208
H = 600A, 800A-1200A	07AUB Automatic, Open Transition Bypass			0225	D = 220	5Z VATS	P = Type 4X ³ Secure Double Door ⁵ Enclosure
	7ACUB Automatic, Closed Transition Bypass			0260	0400		E = 230
G = 1000A, 1600A-4000A	7ADUB Automatic, Delayed Transition Bypass			0600	H = 380	5D VATS Distribution	Q = Type 12 Enclosure Double Door ⁵ Enclosure
	Non-Automatic 07NUS Non Automatic, Conventional 2 - position			0800	J = 400		R = Type 3RX ^{3,4} Secure Double Door ⁵ Enclosure
	7NCUS Non Automatic, Closed Transition			1000	K = 415		S = Type 3RX ^{3,4} Secure Double Door ⁵ Enclosure (316 Stainless Steel)
	7NDUS Non Automatic, Delayed Transition			1200	L = 440		V = Type 4X Secure Double Door ⁵ Enclosure (316 Stainless Steel)
	7NDUB Non Automatic, Open Transition Bypass			1600	M = 460		
	7NCUB Non Automatic, Closed Transition Bypass			2000	N = 480		
	7NDUB Non Automatic, Delayed Transition Bypass			2500	P = 550		
				3000	Q = 575		
				4000	R = 600		

Notes:

1. Conventional switched neutral is provided on closed and delayed transition transfer products when specified.
2. CAUTION: Type 3R enclosures are not suitable for installations likely to experience windblown snow or rain conditions.
3. Type 304 stainless steel is standard. To provide an improved reduction in corrosion in salt or marine environments, specify optional type 316 stainless steel.
4. Type 3RX limited to 1600 - 4000 amperes only.
5. Double door enclosures are door over internal dead front panels/doors. All controls are mounted on internal panel/door. External door is pad-lockable for secure applications.
6. AUS represents a switch with a utility service entrance breaker. In addition to the AUS, ASCO offers AGS - Generator breaker, APS - Utility and Generator breaker, and ARS - Utility and Generator breaker, dual service entrance.

A comprehensive ASCO Limited Guardian Warranty covers 7000 SERIES Power Transfer Switch(s) and warranties the product to be free of defects in material and workmanship from date of shipment. The warranty provides:

- 2 years for labor and travel expenses (extendable in 1 year increments up to 5 years for a nominal fee).
- 5 years for parts (2 years for circuit breakers).
- 10 years for main contacts.

Refer to Publication 3227 for warranty details, terms and conditions.

The Example Catalog Number above is J07AUSA30600N5XC
(X is used to specify optional accessories).

ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE

Service Entrance Power Transfer Switches (Non-Bypass):

7AUS, 7NUS, 7ADUS, 7NDUS, 7ACUS, 7NCUS

Dimensions and Shipping Weights*

Frame	Switch Ratings Amp	Type 1 Enclosure ¹				Open Switch Configuration ²			
		Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)	Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)
D	70, 100, 150, 200, 225 7AUS/7NUS Only	36.5 (927)	48.5 (1232)	13.25 (337)	490 (226)	36 (914)	48 (1219)	16 (406)	540 (249)
J	150, 250, 400	38 (965)	91 (2311)	28 (711)	880 (407)	41 (1041)	95 (2426)	33 (838)	1880 (544)
J	200, 225 7ADUS/7NDUS and 7ACUS/7NCUS only	38 (965)	91 (2311)	28 (711)	880 (407)	41 (1041)	95 (2426)	33 (838)	1880 (544)
J	600 ²	38 (965)	91 (2311)	28 (711)	980 (452)	41 (1041)	95 (2426)	33 (838)	1280 (590)
H	600, 800 ²	38 (965)	91 (2311)	28 (711)	1280 (590)	41 (1041)	95 (2426)	33 (838)	1480 (683)
H	1000 ²	38 (965)	91 (2311)	48 (1219)	1280 (590)	41 (1041)	95 (2426)	62 (1575)	1480 (683)
H	1200 ²	38 (965)	91 (2311)	48 (1219)	1480 (683)	41 (1041)	95 (2426)	62 (1575)	1940 (895)
G	1000, 1600 ² , 2000 ²	38 (965)	91 (2311)	48 (1219)	1800 (831)	41 (1041)	95 (2426)	62 (1575)	2200 (1015)
G	2600 ² , 3000 ²	38 (965)	91 (2311)	72 (1829)	2180 (1006)	41 (1041)	95 (2426)	85 (2159)	2854 (1317)
G	4000 ²	60 (1524)	91 (2311)	72 (1829)	3485 (1606)	63 (1600)	100 (2540)	91 (2311)	4300 (1981)

Notes:

1. Type 3R enclosures are not suitable for installations likely to experience windblown snow or rain conditions.
2. Unit is designed for top and bottom cable entry for all services and load.

*All dimensions and weights shown are approximate and should not be used for construction purposes. Verified dimensions can be furnished upon request.

A comprehensive ASCO Limited Guardian Warranty covers 7000 SERIES Power Transfer Switch(s) and warrants the product to be free of defects in material and workmanship from date of shipment. The warranty provides:

- 2 years for labor and travel expenses (extendable in 1 year increments up to 5 years for a nominal fee).
- 5 years for parts (2 years for circuit breakers).
- 10 years for main contacts.

Refer to Publication 3227 for warranty details, terms and conditions.

ASCO 7000 SERIES SERVICE ENTRANCE POWER TRANSFER SWITCH 30 CYCLE ORDERING INFORMATION

To order an ASCO 7000 SERIES 30 Cycle Service Entrance Power Transfer Switch, complete the following catalog number:

P	+	07AUS	+	A	+	3	+	0600	+	N	+	5X	+	C
Frame	Transition Type		Neutral Code	Phase Poles	Amperes	Voltage Code	Group Code	Enclosure						
P = 600A - 800A AUS/CUS/DUS Only	Automatic 07ATS Automatic , Conventional 2 - position		A = Solid Neutral	2	0600	A = 115	50 No Optional Accessories	C = Type 1 Enclosure						
P = 600A - 1200A AUB/CUB/DUB Only	7ACTS Automatic, Closed Transition		B¹ = Switched Neutral	3	0800	B = 120	5X Optional Accessories	M = Type 3R ² Secure Double Door ⁴ Enclosure						
Q = 600A - 1600A	7ADTS Automatic, Delayed Transition				1000	C = 208		N = Type 4 Secure Double Door ⁴ Enclosure						
S = 800A - 2000A	07ATB Automatic, Open Transition Bypass				1200	D = 220	5Z VATS	P = Type 4X ³ Secure Double Door ⁴ Enclosure						
G = 1600A - 4000A	7ACTB Automatic, Closed Transition Bypass				1600	E = 230		Q = Type 12 Double Door ⁴ Enclosure						
U = 2600A - 4000A	7ADTB Automatic, Delayed Transition Bypass				2000	F = 240	5D VATS with Distribution Breakers	R = Type 3RX ^{2,3} Secure Double Door ⁴ Enclosure						
	Non-Automatic 07NTS Non Automatic, Conventional 2 - position				2600	H = 380		S = Type 3RX ² Secure Double Door ⁴ Enclosure (316 Stainless Steel)						
	7NCTS Non Automatic, Closed Transition				3000	J = 400	V = Type 4X Secure Double Door ⁴ Enclosure (316 Stainless Steel)							
	7NDTS Non Automatic, Delayed Transition				4000	K = 415								
	7NTB Non Automatic, Open Transition Bypass					L = 440								
	7NCTB Non Automatic, Closed Transition Bypass					M = 460								
	7NDTB Non Automatic, Delayed Transition Bypass					N = 480								
						P = 550								
						Q = 575								
						R = 600								

Notes:

1. Conventional switched neutral is provided on closed and delayed transition transfer products when specified.
2. Type 3R enclosures are not suitable for installations likely to experience windblown snow or rain conditions.
3. Type 304 stainless steel is standard. To provide an improved reduction in corrosion in salt or marine environments, specify optional type 316 stainless steel.
4. Double door enclosures are door over internal dead front panels/doors. All controls are mounted on internal panel/door. External door is pad-lockable for secure applications.

A comprehensive ASCO Limited Guardian Warranty covers 7000 SERIES Power Transfer Switch(s) and warranties the product to be free of defects in material and workmanship from date of shipment. The warranty provides:

- 2 years for labor and travel expenses (extendable in 1 year increments up to 5 years for a nominal fee).
- 5 years for parts (2 years for circuit breakers).
- 10 years for main contacts.

Refer to Publication 3227 for warranty details, terms and conditions.

The Example Catalog Number above is P07AUSA30600N5XC

ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE

30 Cycle Service Entrance Power Transfer Switch (Non-Bypass Configurations)

Dimensions and Shipping Weights*

Frame	Switch Ratings Amp	Type 1 Enclosure ¹				Type 3R Enclosure ¹			
		Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)	Width In (mm)	Height In (mm)	Depth In (mm)	Weight lb (kg)
P	600 ¹ , 800 ¹ (Front Connected) 7AUS/7NUS Only	38 (965)	91 (2311)	48 (1219)	1800 (821)	41 (1041)	95 (2426)	62 (1575)	2000 (912)
Q	600 ¹ , 800 ¹ , 1000 ¹ , 1200 ¹ , 1600 ¹ (Front Connected)	38 (965)	91 (2311)	48 (1219)	2000 (912)	41 (1041)	95 (2426)	62 (1575)	2200 (1004)
S	800 ¹ , 1000 ¹ , 1200 ¹ , 1600 ¹ , 2000 ¹ (Rear Connected)	38 (965)	91 (2311)	72 (1829)	2800 (1278)	41 (1041)	95 (2426)	86 (2184)	3010 (1374)
G	1600 - 2000A (Rear Connected)	38 (965)	91 (2311)	48 (1219)	1800 (831)	41 (1041)	95 (2426)	86 (2184)	2200 (1015)
G	2600 - 3000A (Rear Connected)	38 (965)	91 (2311)	72 (1829)	2180 (1006)	41 (1041)	95 (2426)	62 (1575)	2854 (1317)
G	4000A (Rear Connected)	60 (1524)	91 (2311)	72 (1829)	3485 (1606)	63 (1600)	100 (2538)	91 (2311)	4300 (1981)
U	2600 ¹ , 3000 ¹ (Rear Connected)	60 (1524)	91 (2311)	72 (1829)	4850 (2213)	60 (1523)	100 (2538)	91 (2311)	5160 (2354)
U	4000 ¹ (Rear Connected)	60 (1524)	91 (2311)	72 (1829)	4850 (2213)	60 (1523)	100 (2538)	91 (2311)	6800 (3103)

Notes:

1. Type 3R enclosures are not suitable for installations likely to experience windblown snow or rain conditions.

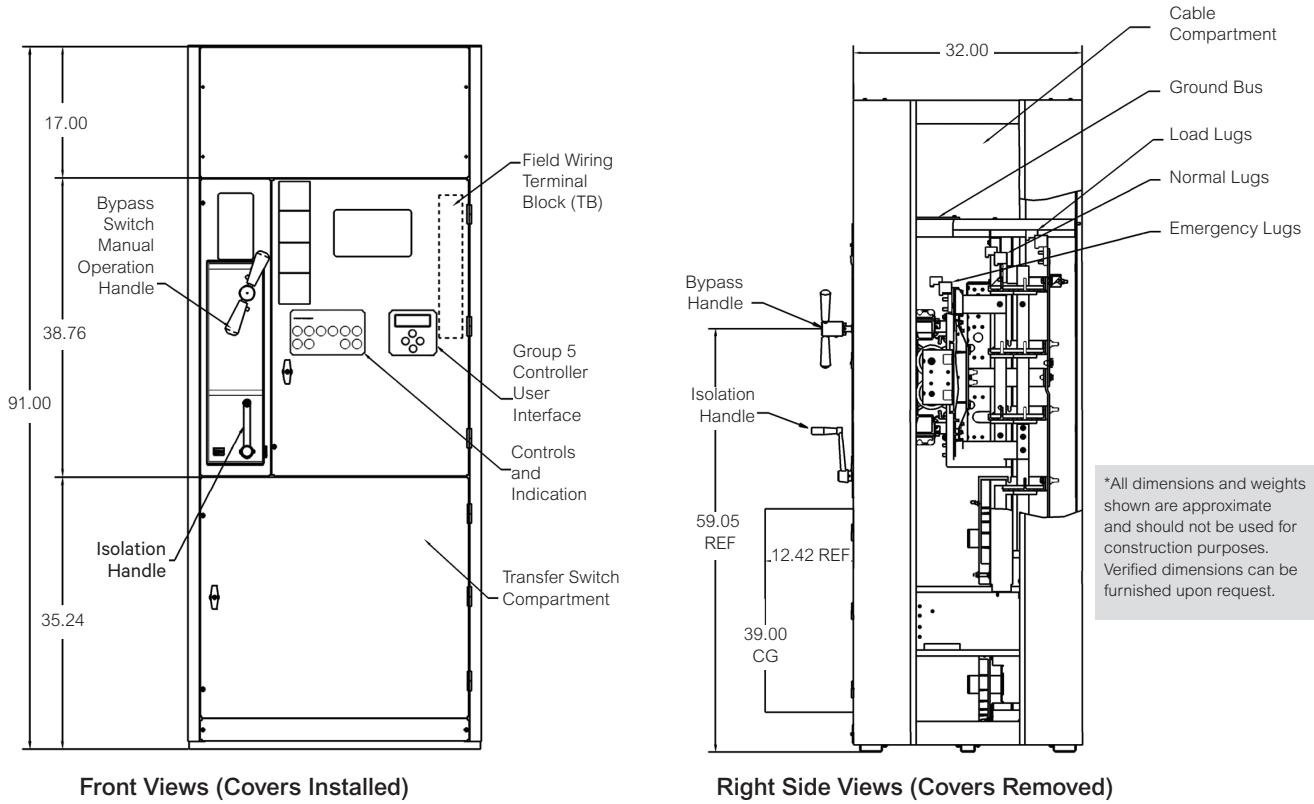
*Dimensional data is approximate and subject to change. Verified dimensions available upon request.

All 30 cycle service entrance enclosures are freestanding and designed for top and bottom cable entry for all services and load.

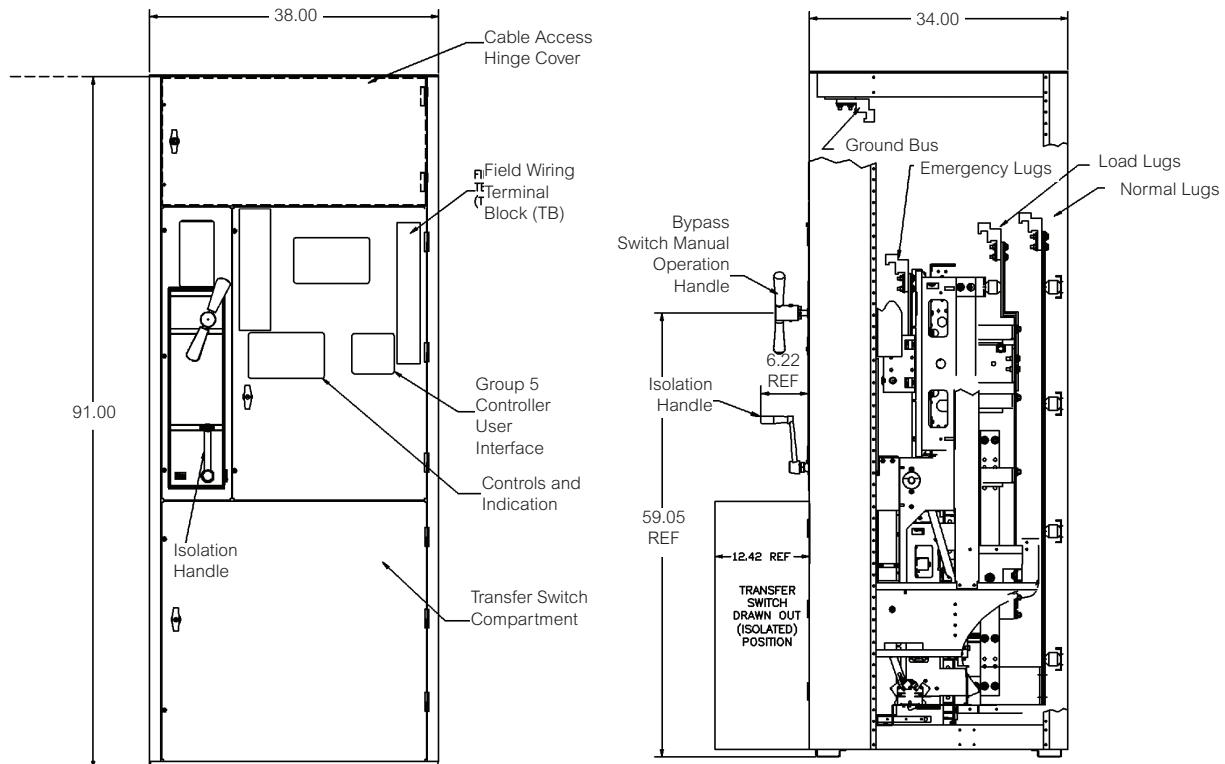
ASCO 7000 SERIES DESIGNED TO FIT ANYWHERE*

Optional Front Connected Design Saves Valuable Space

H Frame 800 Amp Optional Front Connected Design



H Frame 1000-1200 Amp Optional Front Connected Design



ASCO UL1008 Withstand and Closing Ratings^{1,2,7}
(RMS Symmetrical Amps)

Frame	Switch Rating (Amps)		300, 4000 & 7000 Series						4000 & 7000 Series						7000 Series							
			Current Limiting Fuses			Specific Breaker			Time Based			Short Time Ratings ³ (sec)										
			Transfer Switches	Bypass Switches	480V Max.	600V Max.	Max Size, A	Class	240V Max.	480V Max.	600V Max.	Time (sec)	240V Max.	480V Max.	600V Max.	.13	.2	.3	.5	.1	.13	.3
D	30	-	100kA	-	300	J	22kA	22kA	10kA	0.025	10kA	10kA	10kA	-	-	-	-	-	-	-	-	-
D	70, 100	-	200kA	35kA	200	J	150kA	85kA	25kA	0.025	10kA	10kA	10kA	-	-	-	-	-	-	-	-	-
D	150	-	35kA	35kA	200	RK1	150kA	85kA	25kA	0.025	10kA	10kA	10kA	-	-	-	-	-	-	-	-	-
D	200	-	200kA	35kA	200	RK1	150kA	85kA	25kA	0.025	10kA	10kA	10kA	-	-	-	-	-	-	-	-	-
D	230	-	200kA	-	200	J	200kA	85kA	14kA	0.025	10kA	10kA	10kA	-	-	-	-	-	-	-	-	-
E	260, 400	-	200kA	-	300	J	200kA	85kA	14kA	0.025	10kA	10kA	10kA	-	-	-	-	-	-	-	-	-
J	150, 200, 260	150, 200, 230, 260	200kA	200kA	600	J	200kA	200kA	42kA	0.05	65kA	42kA ⁵	35kA	22kA	-	-	-	-	-	-	-	-
J	400	400	200kA	200kA	800	J	65kA	50kA	42kA	0.05	65kA	42kA ⁵	35kA	35kA	7.5kA	-	-	-	-	-	-	-
J	600	600	200kA	200kA	800	L	65kA	85kA	42kA	0.05	65kA	42kA ⁵	35kA	35kA	7.5kA ⁹	-	-	-	-	-	-	-
H ⁸	600	600	200kA	200kA	1600	L	65kA	150kA	65kA	0.05	50kA	50kA	50kA	50kA	36kA	-	-	-	-	-	36kA	-
P ⁸	600	600	200kA	200kA	1600	L	65kA	150kA	65kA	0.05	50kA	50kA	50kA	50kA	36kA	30kA	-	-	-	-	36kA	-
P ⁸	800	800 - 1200	200kA	200kA	1600	L	65kA	150kA	65kA	0.05	50kA	50kA	50kA	50kA	36kA	30kA	-	-	-	-	36kA	-
H	800 - 1200	800 - 1200	200kA	200kA	1600 ⁴	L	65kA	150kA	65kA	0.05	50kA	50kA	50kA	50kA	36kA	-	-	-	-	-	36kA	-
Q ⁸	600-1600	600-1600	200kA	200kA	2000	L	65kA	65kA	65kA	0.05	65kA	65kA	65kA	65kA	50kA	50kA	-	-	-	-	50kA	-
S ⁸	800 - 1200	800 - 1200	200kA	200kA	2500	L	100kA	100kA	65kA	0.05	100kA	100kA	100kA	65kA	65kA	65kA	-	-	-	-	65kA	-
G ⁸	1000 - 1200	1000 - 1200	200kA	200kA	2000	L	85kA	85kA	85kA	0.05	85kA	85kA	85kA	85kA	85kA	85kA	-	-	-	-	85kA	-
G ⁸	1600 - 2000 (Front Connected T.S. Only)	1600 - 2000	200kA	200kA	2500	L	85kA	85kA	85kA	0.05	85kA	85kA	85kA	85kA	42kA	42kA	-	-	-	-	42kA	-
G ⁸	1600 - 2000	1600 - 2000	200kA	200kA	3000	L	125kA ⁶	125kA ⁶	100kA	0.05	100kA	100kA	100kA	100kA	42kA	42kA	-	-	-	-	42kA	-
S ⁸	1600 - 2000	1600 - 2000	200kA	200kA	2500	L	100kA	100kA	85kA	0.05	100kA	100kA	100kA	85kA	85kA	85kA	-	-	-	-	85kA	65kA
G	2600 - 3000	2600 - 3000	200kA	200kA	4000	L	100kA	100kA	100kA	0.05	100kA	100kA	100kA	100kA	42kA	42kA	-	-	-	-	42kA	-
G ⁸	3200	-	200kA	-	4000	L	100kA	100kA	100kA	0.05	100kA	100kA	100kA	100kA	-	-	-	-	-	-	-	-
G	4000	4000	200kA	200kA	5000	L	100kA	100kA	100kA	0.05	100kA	100kA	100kA	100kA	85kA	65kA	-	-	-	-	65kA	65kA
J ⁸	2600 - 4000	2600 - 4000	200kA	200kA	5000	L	125kA	125kA	125kA	0.05	125kA	125kA	125kA	125kA	100kA	100kA	-	-	-	-	100kA	100kA

- Notes:
- 1) All WCR values indicated are tested in accordance with the requirements of UL 1008, 7th Edition. See ASCO Pub. 1128 for more WCR information
 - 2) Application requirements may permit higher WCR for certain switch sizes.
 - 3) Short Time ratings are provided for applications involving circuit breakers that utilize trip delay settings for system selective coordination
 - 4) Max fuse rating is 1200A on front connected H frame switches
 - 5) Switches utilizing overlapping neutral (code "C") have 35kA, 0.050 Sec time based rating at 480V Max
 - 6) Rating shown is for Bypass switches only. Transfer Switch rating is 100kA
 - 7) See ASCO for Service Entrance Switch ratings
 - 8) These frames are only available on the 7000 Series product
 - 9) Short Time Rating applies to 600A Bypass switch only, the 600A Transfer Switch does not have a Short Time Rating



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