

➔ Cross Reference RA Part Number: **PN-F000167**

➔ Mfr Part Number: **7ADTSA31200R5X0**

# ASCO 7000 SERIES Ordering Information

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

➔ **7**          +       +       +       +       +       +      

		Product		Neutral Code *		Phase Poles	Amperes	Voltage Code		Grp Code	Enclosure	
A	Automatic	TS	Conventional 2-Position	---	No Neutral	2	30	A	115	5 5X-optional accessories	---	No enclosure
			Open Transition Bypass	A	Solid Neutral	➔ 3	70	B	120			
N	Non-Automatic	CTS	Closed Transition	B	Switched Neutral	200*	100	C	208		C	Type 1 enclosure
			230*			150	D	220	E		Type 2 enclosure	
			400			200*	E	230	F		Type 3R enclosure	
			600			230*	F	240	H		Type 4 enclosure	
M	Manually Operated	DTB	Delayed Transition Bypass	C	Overlapping Neutral	800	260	J	400		G	Type 4 enclosure
			1000			400	K	415	H		Type 4X enclosure (stainless steel)	
			➔ 1200			600	L	440	K		Type 7 enclosure	
			➔ 1600			800	M	460	L		Type 12 enclosure	
						2000	1000	N	480		M	Type 3R secure double door
						3000	➔ 1200	P	550		N	Type 4 secure double door
						4000	➔ 1600	Q	575		P	Type 4X secure double door
									600		Q	Type 12 secure double door

\*Note: For 4 pole applications on switches rated 150 to 400 (Bypass configurations only) amps and 4000 amps specify overlapping switched neutral (optional). Conventional switch neutral is provided on delayed transition transfer products when specified. 200 and 230 amp switch limited to 480 volts maximum.

**The Example Catalog Number above is 7ATSA3400N5XC  
(X is used to specify optional accessories).**

**Transfer Switch Configurations**  
7A TS, 7N TS, 7A DTS, 7A CTS, 7N DTS, 7N CTS

**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
30 - 230 <sup>3</sup>	One	#14 to 4/0 AWG
260-400	One	#4 AWG to 600 MCM
	Two	#1/0 AWG to 250 MCM
600	Two	#1/0 AWG to 600 MCM
➔ 800-1200 <sup>1</sup>	<b>Four</b>	<b>#1/0 AWG to 600 MCM</b>
1600-2000	Six	#1/0 AWG to 600 MCM
3000	Twelve	#1/0 AWG to 600 MCM
4000 <sup>2</sup>	Twelve	#2/0 AWG to 600 MCM

**Transfer/Bypass Configurations**  
7A TB, 7N TB, 7A DTB, 7A CTB, 7N DTB, 7N CTB

**Sizes of UL-Listed Solderless Screw-Type Terminal for Power Connections**

Switch Rating amps	Max # of Conductors per Terminal	Range of AL-CU Conductor Sizes
150,260,400	One	# 4 AWG to 600 MCM
	Two	# 1/0 AWG to 250 MCM
600 <sup>4</sup>	Two	# 2 AWG to 600 MCM
800,1000,1200 <sup>4</sup>	Four	# 1/0 AWG to 600 MCM
1600-2000 <sup>4</sup>	Six	# 1/0 AWG to 600 MCM
3000 <sup>4</sup>	Ten	# 2 AWG to 600 MCM
4000 <sup>4</sup>	Twelve	# 2 AWG to 600 MCM

Notes: 1. Unit is designed for top cable entry of emergency and load and bottom entry of normal. Optionally, the switch may be supplied with reverse source and/or bottom entry load, when specified.  
2. All main terminals are rear connected. The 4000 amp switch is arranged for bus bar connection. Contact ASCO if provisions for cable connection are required.

3. 200 and 230 amp rating for copper conductors only.  
4. All main terminals are rear connected. A front connected version is available in 600 and 1200 amp ratings only with top cable entry only. See pages 25-27 for dimensional data and additional information.

## Schedule of Automatic Transfer Switch

ATS ID	VOLTAGE/ POLES	AMPS	SERIAL NUMBER	CATALOG NUMBER
-	600V/3P	1200A	1941215	H7ADTSA31200R5X0

ATS ID	SCHEMATIC DRAWING	OUTLINE DRAWING	WCR (3 cycle at rated voltage)*
-	HDTS-WIRE	GS HATSEA	50kA

The above ATS will come with the standard accessories as shown on the drawings as well as the following optional accessories:

Acc. #	Accessory Description
FTT	Fail to Transfer Contacts
5	Test Switch (Momentary Type)
12	3 Position Test Selector Switch (Engine Start Disabled/Auto/Engine Test)
18B/G	Emergency/Normal Source Available Contacts
22	Sold Neutral Block
31Z4	Pre-Transfer Contacts (Qty 4)
37B	6 Foot Extension Harness on Control Panel