

OUTLINE FOR ASCO® 300 SERIES 150-400 AMPERE "J" FRAME (3ATS,3NTS,3ADTS,3NDTS) FRONT CONNECTED TRANSFER SWITCHES TYPE 1 ENCLOSURE

GENERAL NOTES

1. TYPE 1 ENCLOSURE. FREE STANDING. FLOOR MOUNTED OR WALL MOUNTED. 12 GAUGE CONSTRUCTION.
2. NEC STANDARD GAUGE PAN TYPE DOOR WITH LOCKABLE HANDLE.
3. FINISH: ANSI 61 GRAY, POLYESTER POWDER STANDARD. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY UL RECOGNIZED.
4. RECOMMENDED CLEARANCES:
FRONT: 24.00" [610mm]
5. A 20% RATED GROUND BUS IS PROVIDED.
6. UNIT IS DESIGNED FOR COMBINATION TOP AND BOTTOM CABLE ENTRY.
7. A FULL RATED NEUTRAL CONNECTION FOR EACH SOURCE AND THE LOAD IS OPTIONAL. WHEN PROVIDED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NO. NEUTRAL TYPE:
A. SOLID (COPPER BUS) NEUTRAL FOR 150-400A ADTS/NDTS AND SOLID NEUTRAL TERMINAL ASSEMBLY (NTA) FOR 260-400A ATS/NTS.
B. SWITCHED NEUTRAL POLE
8. CENTER OF GRAVITY.

CABLING NOTES

1. ALL SIZES SUPPLIED STANDARD WITH MECHANICAL (SCREW TYPE) LUGS. (SEE AMP SIZE BELOW)
A. LUG MATERIAL: ALUMINUM ALLOY 6061-T6 WITH ELECTRO TIN PLATED FINISH.
B. SCREW MATERIAL: ALUMINUM ALLOY 6262-T9 WITH ELECTRO TIN PLATED FINISH.
C. UL LISTED, CSA CERTIFIED.
D. LUG SCREW TIGHTENING TORQUE PER UL 486B: 19 FT-LBS.
E. SUITABLE WIRE BENDING SPACE IS PROVIDED. (SEE AMP SIZE BELOW)
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW).
3. CUSTOMER TERMINAL BLOCKS:
FOR ALL 300 SERIES 3ADTS, 3NDTS UNITS THE TB WILL BE MOUNTED ON THE UPPER RIGHT INSIDE OF ENCLOSURE. FOR 3ATS AND 3NTS UNITS TB WILL BE MOUNTED ON THE TRANSFER SWITCH FRAME AS INDICATED.

NOTES 150-400 AMP ADTS/NDTS SWITCHES

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABS. ONE (1) LUG PER PHASE AND NEUTRAL EACH SUITABLE FOR CONNECTION OF TWO (2) 1/0 -250MCM CU/AL CABLES OR ONE (1) #4 -600MCM CU/AL CABLE.
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO ONE (1) 600MCM CABLE PER TERMINAL PER NEC.
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:
SIX (6) 1/0 -250MCM CU/AL CABLES OR THREE (3) #4 -600MCM CU/AL CABLE CONNECTIONS.

NOTES 260-400 AMP ATS/NTS SWITCHES

1. SUPPLIED WITH STANDARD MECHANICAL (SCREW TYPE) LUGS ON THE NORMAL, EMERGENCY & LOAD BUS STABS. ONE (1) LUG PER PHASE AND SWITCHING NEUTRAL WHEN SUPPLIED, EACH SUITABLE FOR CONNECTION OF TWO (2) 1/0 -250MCM CU/AL CABLES OR ONE (1) #4 -600MCM CU/AL CABLE.
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO ONE (1) 600MCM CABLE PER TERMINAL PER NEC.
2. GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS:
SIX (6) 1/0 -250MCM CU/AL CABLES OR THREE (3) #4 -600MCM CU/AL CABLE CONNECTIONS.
3. OPTIONAL SOLID NEUTRAL TERMINAL ASSEMBLY. (NTA)
EACH TERMINAL SUITABLE FOR CONNECTION OF TWO (2) 1/0-250MCM CU/AL CABLES OR ONE (1) #4-600MCM CU/AL CABLE.

ATS/NTS SWITCH RATING (AMPS)	POLES	WEIGHTS LB (KG)
260-400	2	180 (82)
	3 OR B2*	186 (84)
	4 OR B3*	192 (87)

* REFER TO GENERAL NOTE 7

ADTS/NDTS SWITCH RATING (AMPS)	POLES	WEIGHTS LB (KG)
150-400	2	196 (89)
	3, A2*, OR B2*	202 (92)
	4, A3*, OR B3*	208 (94)

* REFER TO GENERAL NOTE 7

E	289439	TR	NS	05/07/21
	SEE ECN			
D	273670	TR	WK	7/25/18
	SEE ECN			
C	273023	TR	BK	06/18/18
	SEE ECN			
B	264910	JPBH	JPB	01/04/17
	SEE ECN			
A	263629	BK	TR	10/12/16
	SEE ECN			
-	245900	BK	BK	12/19/13
	ISSUED			

PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
COMPOSITE		OUTLINE				
300 SERIES, "J" FRAME, 260-400 AMP ATS/NTS & 150-400 AMP ADTS/NDTS, TYPE 1, 56" x 24" x 14.25"						
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005				
DRAWN BY	DJB	12/19/13	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING		
CHECKED	BK	12/19/13	SCALE	NO.	SIZE	DS
PROJECT APPROVAL	BK	12/19/13	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	1001393		
FINAL APPROVAL			ASCOS	ASCO POWER TECHNOLOGIES, L.P.	FLORHAM PARK, NEW JERSEY 07932 U.S.A.	DRAWING E
						ECN NO. 289439 SHEET 1 OF 1

