


# OUTLINE FOR ASCO® 300 SERIES 600-1000 AMPERE "H" FRAME (3ATS,3ACTS,3ADTS) FRONT CONNECTED TRANSFER SWITCHES TYPE 3R, 4, 4X, 12 SECURE ENCLOSURE

## GENERAL NOTES

- TYPE 3R/4/4X/12 ENCLOSURE. FREE STANDING. FLOOR MOUNTED. CODE GAUGE CONSTRUCTION.
- DOOR HINGED ON RIGHT SIDE. DOOR CLAMPS AND LOCKABLE HASP ON LEFT SIDE.
- STANDARD FINISH TYPE 3R/4/12: ANSI 61 GRAY, POLYESTER POWDER STANDARD. TYPE 4X FINISH UNPAINTED BRUSHED STAINLESS STEEL. OTHER ANSI COLORS AVAILABLE CONSULT FACTORY.
- RECOMMENDED CLEARANCES:  
FRONT: 40 INCHES
- A 20% RATED GROUND BUS IS PROVIDED.
- UNIT IS DESIGNED FOR COMBINATION TOP AND BOTTOM CABLE ENTRY. THE STANDARD SWITCH CONFIGURATION IS FOR TOP LUGS EMERGENCY AND LOAD AND BOTTOM LUGS NORMAL. OPTIONALLY, THE SWITCH MAY BE SUPPLIED WITH REVERSE NORMAL & EMERGENCY LUGS. (REFER TO THE WIRING DIAGRAM FURNISHED WITH EACH TRANSFER SWITCH TO DETERMINE TERMINATION POSITIONS).
- NEUTRAL CONFIGURATIONS:  
AN OPTIONAL FULL RATED NEUTRAL CONFIGURATION FOR EACH SOURCE AND THE LOAD MAY BE PROVIDED. WHEN EQUIPPED IT IS IN ONE OF THE FOLLOWING FORMATS AS SPECIFIED BY THE CATALOG NUMBER NO. NEUTRAL TYPE:  
(A) SOLID (COPPER BUS) NEUTRAL  
(B) SWITCHED NEUTRAL POLE
-  CENTER OF GRAVITY.
- REMOVE BOTTOM KNOCKOUTS FOR TYPE 3R.

## CABLING NOTES

- 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)
- CONSULT FACTORY FOR OTHER TERMINATION REQUIREMENTS.
- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS. (SEE AMP SIZE BELOW).
- CUSTOMER TERMINAL BLOCKS:  
FOR ALL 300 SERIES 3NDTS, 3ADTS UNITS THE TB WILL BE MOUNTED ON THE UPPER RIGHT INSIDE OF ENCLOSURE.  
FOR ALL 3ATS AND 3NTS UNITS TB WILL BE MOUNTED ON THE TRANSFER SWITCH FRAME AS INDICATED.

## NOTES 600 AMP SWITCHES

- 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) #2 - 600MCM CU/AL CABLE.  
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO TWO (2) 600MCM CABLES PER TERMINAL PER NEC.
- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;  
(6) 1/0 - 750MCM CU/AL CABLE CONNECTIONS.

## NOTES 800-1000 AMP SWITCHES

- 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 FOUR (4) 1/0 - 750MCM CU/AL CABLE.  
A. SUITABLE WIRE BENDING SPACE IS PROVIDED FOR UP TO FOUR (4) 600MCM CABLES PER TERMINAL PER NEC.
- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;  
(12) 1/0 - 750MCM CU/AL CABLE CONNECTIONS.

## NOTES 400A (ADTS"B3" 4 POLE ONLY)

- GROUND LUGS ARE PROVIDED STANDARD AS FOLLOWS;  
(3) #6 - 250MCM CU/AL CABLE CONNECTIONS.

APPROXIMATE SHIPPING WEIGHT, LBS (KG)

SWITCH RATING (AMPS)	POLES	WEIGHTS LB (KG)
600,800	2	569 (258)
600,800	3	592 (269)
1000	2	581 (264)
1000	3	610 (277)
1000	4	639 (290)

B	279763	WK	BK	07/09/19
	SEE ECN			
A	278441	BCG	RN	
	SEE ECN			
	247887	TR	BK	
	ISSUED			

PROJECT NAME:		SCALE:		DATE:	
OUTLINE		NONE		DS	
300 SERIES 72x40x26		SIZE		DS	
"H" FRAME 600-1000 AMP. TYPE 4/4X/12 SECURE ENCLOSURES		DWG. NO.		1001394-006	
BY	DATE	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING	
DWB	04/17/14				
CHECKED	BK	PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.			
PROJECT APPROVAL	BK				
	04/17/14				
FINAL APPROVAL					
DRAWING B		EQUIV. NO. 279763		SHEET 1 OF 1	

