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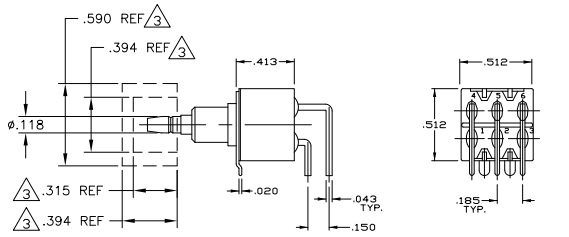
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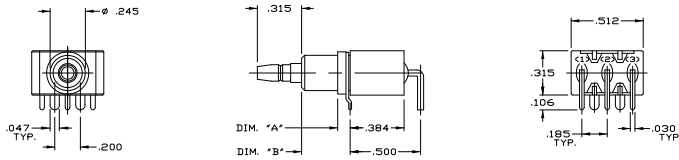
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LOC	DIST	REVISIONS		
P	LR	DESCRIPTION	DATE	BY
AD	00			
	A1	ECO-07-013575	19JUN2007	MB MZ

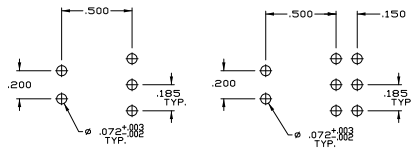


- Terminal numbers are for reference only and do not appear on switches.
  - All materials and finishes shall comply with EU Directive 2002/95/EC of 27Jan2003 (RoHS).
- 3** Switch does not include plastic cap. Dimensions shown describe Alcoswitch cap C22\* and C23\* found on drawings 1825068 & 1825069 and sold separately.

Specifications	
Rating	3A @ 125VAC, resistive load
Initial contact resistance	10 milliohms max @ 1A, 2-4 VDC
Insulation resistance	1,000 megohms min. @ 500VDC
Dielectric withstanding voltage	1,000 VRMS at sea level
Durability	50,000 cycles
Operating Force	MPS103DRA04 = 400 +/-200 grams
	MPS103FRA04 = 300 +/-100 grams
	MPS203NRA04 = 500 +300/-200 grams
Travel	MPS203RRA04 = 500 +200/-100 grams
	momentary = .039
	push on/push off = .098
Operating temperature	-15C to +70C
Storage temperature	-15C to +70C



Materials		
Component name	Base material	Finish
Case	Epoxy resin, UL94 V-0, black	
Frame	stainless steel	
Actuator	Copper alloy	Nickel
Fixed contact	Copper alloy	Silver
Moving contact	Phosphor bronze, silver clad	
Terminals	Copper alloy	Silver
Support bracket	Brass	Tin



RECOMMENDED HOLE LAYOUT  
 TOLERANCE ±.002 UNLESS  
 OTHERWISE NOTED

Tyco P/N	Alco P/N	Poles	Throws	Dim "A"	Dim "B"	Function		Connected terminals	
						On	Mom	3-2	3-1
1825400-1	MPS103DRA04	1	2	.108	.423	On	On	3-2	3-1
1825400-2	MPS103FRA04	1	2	.074	.364	On	Mom	3-2	3-1
1825400-3	MPS203NRA04	2	2	.108	.423	On	On	3-2, 6-5	3-1, 6-4
1825400-4	MPS203RRA04	2	2	.074	.364	On	Mom	3-2, 6-5	3-1, 6-4

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		THIS DRAWING IS A CONTROLLED DOCUMENT:		Tyco Electronics Corporation	
INCHES	0 PLG ± .010	1 PLG ± .010	2 PLG ± .010	3 PLG ± .010	4 PLG ± .010	APPROVED	Tyco Electronics Corporation Harrisburg, Pa 17105-3608
	ANGLES ± .1°					DATE	
MATERIAL	FINISH	APPLICATOR	PRODUCT SPEC	APPLICATION SPEC	REVISION	SIZE	CAGE CODE (DRAWING NO)
SEE CHART	SEE CHART					A2	00779 C=1825400
						CUSTOMER DRAWING	SCALE 2:1 SHEET 1 OF 1 REV A1

AMP 1471-9 REV 31MAR2000

1825400

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