



FORCE

 $\overline{7}$ 

9

DIMENSION

.098 .331 .650 .098

[2.5] [8.4] [16.5] [2.5]

.039 .315 .591 .039 [1] [8] [15] [1]

В

А

С

D

MAXIMUM PANEL THICKNESS:

SPECIFICATIONS:

1 RATING: 3A 125V AC (RESISTIVE LOAD)

OPERATING PART NUMBER TYPE

1977739-1

1977739-2

- 2 INITIAL CONTACT RESISTANCE:  $10m\Omega$  MAX. AT 1A 2~4V DC.

- 5 DURABILITY: 25,000 CYCLES
- 6 LEAKAGE CURRENT: 500 µ A MAX. AT RATING VOLTAGE FOR 5 SECONDS.

OPERATING FORCE:

 $\overline{7}$  3.92±1.96N.(400±200gf)

<u>4.9+2.94</u>N.(500+300gf)

 $2.94\pm0.98$  N.(300±100gf)

 $4.9^{+1.96}_{-0.98}$ N. $(500^{+200}_{-100}$ gf)

- 11 OPERATING TEMP:  $-20 \sim +85^{\circ}C$ STORAGE TEMP:  $-40 \sim +85^{\circ}C$
- 13 LASER MARKING USED FOR MARKS.

THIS DRAWING IS A DIMENSIONS: INCHES [mm]  $\bigcirc =$ ATERIAL \_

3		2					1		1			-
			P	LTR			REVISIONS		DATE	DWN	APVD	
				B2	REVISED PER	R ECO	0-14-000329		09JAN2014		RH	
ART NUMBER	TYPE	MARK						ACTUATED			_	
		MARK:A	N	/AR	K:B				<b>ALCO</b> 3 2 1 6 5 4			
1977739–1 MPS103D		MPS103D ALCO			25V 25V N C			3-1				
1977739–2 MPS103F	SPDT	MPS103F ALCO		AC 3A 125V NO NC C		3-2		(3)-(1)				
1977739–3 MPS203N	DPDT	MPS203N Alco			C 25V N C	3-2 6-5			3-1 6-4			
977739-4 MPS203R		MPS203R ALCO	AC 3A 125V NO NC C		25V			(3)-(1) (6)-(4)				
NOTE: TERMI	INALS 4	,5,6 ARE FOUND	ONL	10	N DP V	/ER	RSIONS (-3, -	-4)				

3 INITIAL INSULATION RESISTANCE: 1,000M $\Omega$  MIN. AT 500V DC.(BETWEEN TERMINALS AND TERMINAL-GROUND) 4 INITIAL DIELECTRIC STRENGTH: 1,000V AC FOR 1 MINUTE.(BETWEEN TERMINALS AND TERMINAL-GROUND)

AFTER ELECTRICAL ENDURANCE (BETWEEN TERMINALS AND TERMINAL-GROUND)

12 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).

A/R	A/R	BLUE	_	EPOXY	10			
1	1	ZINC PLATE	CARBON TOOL STEEL	TOOTH WASHER	9			
1	1	ZINC PLATE	COLD ROLLED STEEL	LOCATING RING	8			
2	2	NICKEL PLATE	BRASS	HEX NUT	7			
1	1	NICKEL PLATE	BRASS	PLUNGER	6			
1	1	NICKEL PLATE	BRASS	MOUNTING SLEEVE	5			
1	1	_	STAINLESS STEEL	FRAME	4			
2	1	SILVER PLATE	BRASS	COMMON TERMINAL	3			
4	2	SILVER PLATE	SILVER + BRASS	FIXED CONTACT	2			
1	1	(BLUE)	EPOXY RESIN	CASE	1			
2 POLES QT	2 1 FINISH QTY (COLOR)		MATERIALS	PARTS	NO			
CONTROL		CHK	28JAN11 28JAN11	TE Connectivity				
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES FINISH	± _	APVD ECIFIED: APVD PRODUCT SPEC 	28JAN11 NAME MPS SERIES PUSHBUTTON MPS103 (SPDT) & MPS203 (DPDT) WIRE LUG TERMINATION SIZE CAGE CODE DRAWING NO A 1 00779 C-197739 -					
CUSTOMER DRAWING 4:1 SHEET 1 0F 1								

В

## **Mouser Electronics**

Authorized Distributor

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TE Connectivity: MPS-103F