

8

7

6

5

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

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LOC

DIST

F

LTR

DESCRIPTION

DATE

DWN

APVD

B2

REVISED

PER

ECO-14-000329

09JAN2014

NK

RH

		DIMENSION				OPERATING FORCE	PART NUMBER	TYPE	MARK			
		A	B	C	D				MARK:A	MARK:B		
	ON-ON	.098 [2.5]	.331 [8.4]	.650 [16.5]	.098 [2.5]		1977737-1 MPS1004D	SPDT	MPS1004D ALCO	DC 60mA 30V ON ON C	3-2	3-1
MOMENTARY	ON-(ON)	.039 [1]	.315 [8]	.591 [15]	.039 [1]		1977737-2 MPS1004F		MPS1004F ALCO	DC 60mA 30V NO NC C		(3)-(1)
	ON-ON	.098 [2.5]	.331 [8.4]	.650 [16.5]	.098 [2.5]		1977737-3 MPS2004N		MPS2004N ALCO	DC 60mA 30V ON ON C	3-2 6-5	3-1 6-4
MOMENTARY	ON-(ON)	.039 [1]	.315 [8]	.591 [15]	.039 [1]		1977737-4 MPS2004R		MPS2004R ALCO	DC 60mA 30V NO NC C		(3)-(1) (6)-(4)

NOTE: TERMINALS 4,5,6 ARE FOUND ONLY ON DP VERSIONS (-3, -4)

0.512±0.039 [13.00±1.00]

0.315±0.039 [8.00±1.00]

SPDT

KEY WAY

0.512±0.039 [13.00±1.00]

0.315±0.039 [8.00±1.00]

DPDT

KEY WAY

1/4"-40THD

C±.039 [1.00]

0.394±0.039 [10.00±1.00]

0.315±0.039 [8.00±1.00]

B±.020 [0.50]

A (STROKE)

0.354 [9.00]

NO

NC

C

6

9

8

7

5

4

1

3

2

LOT No.

0.177 [4.50]

0.177 [4.50]

0.177 [4.50]

MARK:A

SPDT

MARK:B

EPOXY SEAL

10

LOT No.

0.177 [4.50]

0.177 [4.50]

0.177 [4.50]

MARK:A

DPDT

MARK:B

0.197 [5.00]

0.157 [4.00]

0.079 [2.00]

0.039 [1.00]

0.078 [2.00]

182068-X

0.394 [10.00]

0.315 [8.00]

0.413 [10.50]

182069-X

0.591 [15.00]

0.394 [10.00]

0.492 [12.50]

BUTTON CAP

SOLD SEPARATELY

SEE DRAWINGS 1825068 (ø.394 [10 MM]) & 1825069 (ø.591 [15 MM]) FOR COLOR CHOICES

PANEL CUT-OUTS (REF)

WITHOUT LOCKING RING
MAXIMUM PANEL THICKNESS:
.118 [3.0mm]

WITH STANDARD LOCKING RING
MAXIMUM PANEL THICKNESS:
.079 [2mm]

SPECIFICATIONS:

- RATING: MIN, 1µa 20mV DC, MAX, 60mA 30V DC (RESISTIVE LOAD).
- INITIAL CONTACT RESISTANCE: 20mΩ MAX. AT 5mA 0.2V AC.
- INITIAL INSULATION RESISTANCE: 1,000MΩ MIN. AT 500V DC.(BETWEEN TERMINALS AND TERMINAL-GROUND).
- INITIAL DIELECTRIC STRENGTH: 1,000V AC FOR 1 MINUTE.(BETWEEN TERMINALS AND TERMINAL-GROUND).
- DURABILITY: 50,000 CYCLES.

OPERATING FORCE:

3.92±1.96N (400±200gf)

4.9±2.94N (500±300gf)

2.94±0.98N (300±100gf)

4.9±1.96N (500±200gf)

10 OPERATING TEMP: -20 ~ +85°C
STORAGE TEMP: -40 ~ +85°C

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

12 LASER MARKING USED FOR MARKS.

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	GOLD PLATE	BRASS	COMMON TERMINAL	3
4	2	GOLD PLATE	BRASS	FIXED CONTACT	2
1	1	(BLUE)	EPOXY RESIN, UL94V-0	CASE	1
2 POLES	1 POLE	FINISH (COLOR)	MATERIALS	PARTS	NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN RAGHAVENDRA 28JAN11

CHK EPPLEY NAZ 28JAN11

APVD EPPLEY NAZ 28JAN11

PRODUCT SPEC

APPLICATION SPEC

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

TE Connectivity

MPS SERIES PUSHBUTTON, DRY CIRCUIT
MPS1004 (SPDT) & MPS2004 (DPDT) SERIES
WIRE LUG TERMINATION

A100779

1977737

CUSTOMER DRAWING

SCALE 4:1

SHEET 1 OF 1

REV B2

4805 (3/11)

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[MPS1004D](#)