REVISIONS

LOC AD   DIST 00

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A4	REVISED PER ECO-12-014494	08AUG12	KH	PO

SPECIFICATIONS
MAKE-BEFORE-BREAK

MATERIALS:
ACTUATOR— POM, UL94HB BLACK
TERMINAL BOARD— PHENOLIC LAMINATED SHEET, UL94HB, NATURAL
FRAME— STEEL, NICKEL PLATE
TERMINAL/FIXED CONTACT— COPPER ALLOY, GOLD OR SILVER OVER NICKEL PLATE
MOVING CONTACT— COPPER ALLOY, GOLD OR SILVER OVER NICKLE PLATE
DETENT BALL— STEEL
COIL SPRING— GALVANIZED SPRING WIRE
LEVER,(K SERIES ONLY)— ALUMINUM
SEAL— EPOXY

ELECTRICAL:
CONTACT RATING— .4VA@20VDC OR PEAK AC (GOLD); 300mA@125V AC (SILVER)PER EIA-448, METHOD
INITIAL CONTACT RESISTANCE— 30 milliohm max.
FINAL CONTACT RESISTANCE— 100 milliohm max. (AFTER TEST)
INSULTAION RESISTANCE— 1,000 Megohms min.
DIELECTRIC STRENGTH— 500V RMS@SEA LEVEL
LIFE EXPECTANCY— 15,000 CYCLES MIN.

MECHANICAL:
ACTUATION FORCE— 600+/-300 GRAMS
TRAVEL— 2.0 +/-.50 (.079 +/-.020) ["SEE P/N TABLE" for 1825256 & 1825290]

ENVIRONMENTAL:
OPERATING TEMPERATURE— -20 TO +85 DEGREES C
STORAGE TEMPERATURE— -40 TO +100 DEGREES C
RESISTANCE TO SOLDER HEAT PER 109-202, CONDITION B
SOLDERABILITY PER EIA-364-52, CLASS 2, CATEGORY 1, 95% MIN COVERAGE

6.7 [.264]   6.7 [.264]
4.5 [.177]
2.0 [.079] SLIDE TRAVEL (MODELS MHS-123 & 133)
4.0 [.158] SLIDE TRAVEL (MODEL MHS-122)
3.0 [.118]

1 STAMPED THIS SIDE
0.5 [.020]
.098

16.0 [.630]
3.5 [.138]
6
5.0 [.197]
7.5 [.295]
3.5 [.138]
3.0 [.118]
0.4 [.016]
0.5 [.020]
1.9 [.073]
6.2 [.244]
EPOXY
0.5 [.020] 4 PLC
3.5 [.138] 2 PLC
1.0 [.039] 4 PLC
4.0 [.157]
2.0 [.079] 2 PLC
15.0 [.590]

16.0 [.630]
6
4.0 [.157] 2 PLC
0.5 [.020] 3 PLC
3.5 [.138] 2 PLC
15.0 [.590]

1 2 3 4

1 2 3

NOTES:

1 COUNTRY OF ORIGIN AND TE CONNECTIVITY LOGO LOCATED APPROXIMATELY AS SHOWN

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

3 ANTI SOLDER WICK SEAL AT TERMINAL TO BOARD INTERFACE

4 ALL PERFORMANCE TESTING WAS DONE IN ACCORDANCE TO TE CONNECTIVITY SPECIFICATION 102-2469

5 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

6 ACTUATOR SUPPLIED IN POSITION SHOWN.

4.0 [.157]
ø1.4 [.055] 4 PLC
2.0 [.079] 2X
3.5 [.137]
1.9 [.073]
4.3 [.171]
6.2 [.244]
ø0.9 [.035] 4 PLC

RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ±.002

4.0 [.157] 2 PLC
ø1.4 [.055] 4 PLC
3.5 [.137]
1.9 [.073]
4.3 [.171]
6.2 [.244]
ø0.9 [.035] 4 PLC

RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ±.002

MHS-133 SERIES SWITCH

MHS-122 & 123 SERIES SWITCH

PART NO.	T&B PART NO.	TRAVEL	CONTACT	1 2 3	1 2 3 4	1 2 3	1 2 3 4	1 2 3	1 2 3 4
1825256-6	MHS133GRA04	2.00		—	2-1	—	2-3	—	2-4
1825256-5 (OBSOLETE 5)	MHS123GRA04	2.00	GOLD	2-1	—	OFF	—	2-3	—
1825256-4 (OBSOLETE 5)	MHS122GRA04	4.00		2-1	—	NONE	—	2-3	—
1825256-3	MHS133RA04	2.00		—	2-1	—	2-3	—	2-4
1825256-2 (OBSOLETE 5)	MHS123RA04	2.00	SILVER	2-1	—	OFF	—	2-3	—
1825256-1	MHS122RA04	4.00		2-1	—	NONE	—	2-3	—

TERMINALS CONNECTED WHEN SLIDE IS IN POSITION SHOWN.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity](#):
  [MHS133GRA04](#) [MHS133RA04](#) [MHS122RA04](#)