

SPECIFICATIONS

MAKE-BEFORE-BREAK

MATERIALS:
ACTUATOR— THERMOPLASTIC, UL94HB
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 NICKEL PLATE
DETENT BALL— STEEL
COIL SPRING— GALVANIZED SPRING WIRE
LEVER,(K SERIES ONLY)— ALUMINUM
SEAL— EPOXY

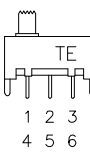
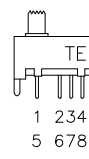
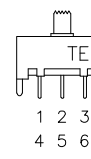
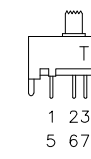
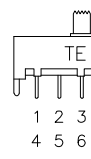
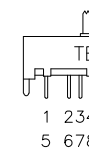
ELECTRICAL:
CONTACT RATING— .4VA@20VDC OR PEAK AC (GOLD); 300mA@125V AC (SILVER)
INITIAL CONTACT RESISTANCE— 30 milliohm max.
FINAL CONTACT RESISTANCE— 100 milliohm max. (AFTER TEST)
INSULATION RESISTANCE— 1,000 Megohms min.
DIELECTRIC STRENGTH— 500V RMS@SEA LEVEL
LIFE EXPECTANCY— 15,000 CYCLES MIN.

MECHANICAL:
ACTUATION FORCE- 600+/-300 GRAMS
TRAVEL- SEE P/N TABLE

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

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

OBSOLETE 	1-1825289-1	MHS233KG04	DP3T	2.00	GOLD	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	1-1825289-0	MHS233K04	DP3T	2.00	SILVER	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	1825289-9	MHS233G04	DP3T	2.00	GOLD	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	1825289-8	MHS23304	DP3T	2.00	SILVER	—	6-5 2-1	—	7-6 3-2	—	8-6 4-2
	—	MHS223KG04	DPDT	2.00	GOLD	5-4 2-1	—	OFF	—	6-5 3-2	—
	1825289-7	MHS223K04	DPDT	2.00	SILVER	5-4 2-1	—	OFF	—	6-5 3-2	—
	1825289-6	MHS223G04	DPDT	2.00	GOLD	5-4 2-1	—	OFF	—	6-5 3-2	—
	1825289-5	MHS22304	DPDT	2.00	SILVER	5-4 2-1	—	OFF	—	6-5 3-2	—
OBSOLETE 	1825289-4	MHS222KG04	DPDT	4.00	GOLD	5-4 2-1	—	NONE	—	6-5 3-2	—
	1825289-3	MHS222K04	DPDT	4.00	SILVER	5-4 2-1	—	NONE	—	6-5 3-2	—
	1825289-2	MHS222G04	DPDT	4.00	GOLD	5-4 2-1	—	NONE	—	6-5 3-2	—
	1825289-1	MHS22204	DPDT	4.00	SILVER	5-4 2-1	—	NONE	—	6-5 3-2	—
	PART NO.	T&B PART NO.	TYPE	TRAVEL	PLATING						

Technical drawing of a component with dimensions and a detail view.

Dimensions:

- Overall width: 6.7 [.264]
- Overall height: 3.5 [.138]
- Distance from left edge to center of feature: 4.0 [.157]
- Distance from center of feature to right edge: 8.0 [.314]

Detail view (bottom right):

- Feature: A circular hole with a diameter of $\varnothing 4.5$ [.177].
- Feature: A crosshair (+) inside the hole.

Technical drawings of the MHS-122 lever assembly, showing dimensions in inches and millimeters.

Left View (Side Profile):

- Overall height: 6.2 [.244]
- Top section height: 2.5 [.098]
- Top section width: 3.0 [.118]
- Bottom section width: 2.5 [.098]
- Bottom section height: 2.0 [.079]
- Bottom section width: 0.5 [.020]
- Bottom section height: 0.4 [.016]
- Stamping direction: STAMPED THIS SIDE (indicated by a triangle and arrow pointing to the left)

Front View:

- Overall width: 15.0 [.590]
- Top section height: 3.0 [.118]
- Top section width: 3.0 [.118]
- Top section height: 4.0 [.157]
- Top section width: 4.5 [.177]
- Top section height: 7.5 [.295]
- Top section width: 3.5 [.138]
- Top section height: 1.0 [.039]
- Top section width: 0.5 [.020] 3 PLC
- Top section height: 3.5 [.138] 2 PLC
- Top section width: 4.0 [.157] 2 PLC

Right View (Top Profile):

- Overall width: 10.0 [.394]
- Top section height: 10.0 [.394]

Labels:

- MHS-122 LEVER
- MHS222K & MHS223K LEVER

Technical drawing of a PCB layout showing dimensions and drill specifications.

Top View Dimensions:

- Overall width: 16.0 [.630]
- Internal width: 15.0 [.590]
- Vertical spacing: 2.0 [.079]
- Horizontal spacing: 2.5 [.098]
- Bottom spacing: 4.0 [.157] TYP
- Right spacing: 3.5 [.137]

Drill Specifications:

- $\phi 0.9$ [$\phi .035$] #65 DRILL 3 PLC
- $\phi 1.4$ [$\phi .055$] #54 DRILL 2 PLC

Other Dimensions:

- 6.2 [.244]

RECOMMENDED BOARD LAYOUT
PC LAYOUT TOLERANCE: ± 0.002

MHS222 & MHS223 SERIES SWITCH

4805 (3/11)

