

8

7

6

5

4

3

2

1

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RELEASED FOR PUBLICATION

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LOCAD

DIST00

REV

DATE

BY

APPROVED

11.00
[.433]

5.50
[.217]

4.30
[.169]

8.30
[.327]

17.00
[.669]

22.00
[.866]

#4-40 UNC-2B
2 PLC

7.00
[.276]

6.33
[.249]

5.50
[.217]

11.50
[.453]

2.00
[.079]

1.00
[.039] TYP

1.50
[.059]

4.00
[.157]

2.00
[.079] TYP

0.50
[.020] TYP

15.00
[.590]

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

21.00±0.10
[.827±.004]

1.50±0.10
[.059±.004]

2.35±0.10
[.093±.004]

7.70±0.10
[.303±.004]

3.00±0.10
[.118±.004]

2.00±0.10
[.079±.004]
5 PLC

4.00±0.10
[.157±.004]

ø0.90±0.10
[ø.035±.004]
TYP 16

ø1.50±0.10
[ø.059±.004]
TYP 2

RECOMMENDED BOARD LAYOUT

4.00
[.157]

3.59
[.141]

4.00
[.157]

0.60
[.024]

0.40
[.016]

7.70
[.303]

3.00
[.118]

A

A

tyco/CHINA
STAMPED
THIS SIDE

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

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)

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 +/-0.50 (.079 +/-0.020)

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 MARK PER 202-37 SPECIFICATION, tyco/CHINA MINIMUM REQUIREMENT.

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 TYCO SPECIFICATION 102-2469.

SECTION A-A

1825267-2

MSS4300G04

GOLD

1 TO 2
5 TO 6
9 TO 10
13 TO 14

2 TO 3
6 TO 7
10 TO 11
14 TO 15

2 TO 4
6 TO 8
10 TO 12
14 TO 16

1825267-1

MSS430004

SILVER

1 TO 2
5 TO 6
9 TO 10
13 TO 14

2 TO 3
6 TO 7
10 TO 11
14 TO 15

2 TO 4
6 TO 8
10 TO 12
14 TO 16

TYCO
PART NO.

T&B
PART NO.

PLATING

TYCO

TYCO

TYCO

TERMINALS CONNECTED WHEN
SLIDE IS IN POSITION SHOWN.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN R BROWN 21DEC05

CHK M SARVER 21DEC05

APVD M SARVER 21DEC05

PRODUCT SPEC

APPLICATION SPEC

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

MATERIAL SEE SPECIFICATIONS

FINISH SEE SPECIFICATIONS

WEIGHT

A100779

1825267

CUSTOMER DRAWING

SCALE 4:1

SHEET 1 OF 1

REV B

tyco
Electronics

Tyco Electronics Corporation
Harriaburg, Pa 17105-3608

SLIDE SWITCH, MSS 4300 SERIES