FEATURES

- Completely sealed against dust, moisture, and other contaminants
- UL and CSA approved
- One hole mounted bushing for easy installation
- Multi-circuits offered
- 2 & 3 position with maintained and momentary action
- Molded-in terminal inserts and terminal numbers
- 1, 2 and 4 pole circuitry

SPECIFICATIONS

- Watertight seal per MIL-STD-108E and designed to meet IP68
- Thermoset molding materials meet flame retardant requirements
- UL recognized and CSA certified per specifications listed below
- Temperature Range: -50°F to +150°F (-46°C to +66°C)
- Life: 20,000 operations at rated load 40,000 operations mechanical life 6,000 operations at HP ratings per UL and CSA requirements
- Bushing: 15/32" - 32 thread

CURRENT RATINGS

No. of Poles	Catalog Number	Amperes		Maximum Horsepower		
				1 Phase		3 Phase
		125V	250V	125VAC	250VAC	125/250 VAC
1	8520	18	9	1/4	1/2	—
2	8521	18	9	1/2	1	—
4	8522	18	9	1/2	1	1
1, 2, 4	8526 thru 8528	18	9	—	—	—

SELECTION TABLE

FLUSH TERMINAL SCREWS

8520/8526 **8521/8527** **8522/8528**

CIRCUIT WITH LEVER IN . . .			ONE POLE	TWO POLE	FOUR POLE
Up Position	Center Position	Down Position (Keyway)	Catalog Number	Catalog Number	Catalog Number
ON	OFF	ON	8520K1	8521K1	8522K1
ON	NONE	OFF	K9	K9	K9
ON	NONE	ON	K4	K4	K4
ON	NONE	ON*	8526K5	8527K5	8528K5
*ON	OFF	ON*	K2	K2	K2
ON	OFF	ON*	8526K3	8527K3	8528K3

* Momentary contact.
See page A71 for circuit diagrams.
UL & CSA Approval Numbers
UL - Where devices are UL recognized, recognition is listed under file number E15346; Guide card number is WOYR2.
CSA = Where devices are CSA certified, certification number is LR40068, class number 6241.
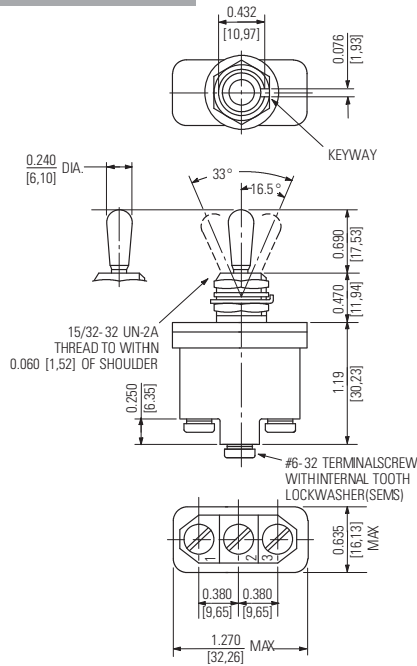
INDUSTRIAL - ENVIRONMENTALLY SEALED SWITCHES
Series - 8520-8522, 8526-8528

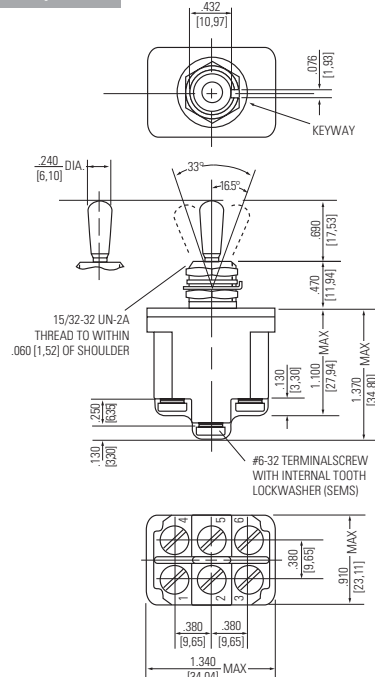### Environmentally Sealed Toggle Switches
UL Recognized and CSA Certified

MOUNTING DIMENSIONS - ONE POLE / 8520, 8526

0.432 [10,97]
0.076 [1,93]
KEYWAY

0.240 [6,10] DIA.
33°
16.5°
0.690 [17,53]
0.470 [11,94]

15/32-32 UN-2A THREAD TO WITHN 0.060 [1,52] OF SHOULDER

0.250 [6,35]
1.19 [30,23]

#6-32 TERMINALSCREW WITHINTERNAL TOOTH LOCKWASHER(SEMS)

0.635 [16,13] MAX

0.380 [9,65] 0.380 [9,65]

1.270 [32,26] MAX

Terminal Identification

MOUNTING DIMENSIONS - TWO POLE / 8521, 8527

.432 [10,97]
.076 [1,93]
KEYWAY

.240 [6,10] DIA.
33°
16.5°
.680 [17,53]
.470 [11,94]

15/32-32 UN-2A THREAD TO WITHIN .060 [1,52] OF SHOULDER

.130 [3,30]
.250 [6,35]
.130 [3,30]
1.100 [27,94] MAX
1.370 [34,80] MAX

#6-32 TERMINALSCREW WITH INTERNAL TOOTH LOCKWASHER (SEMS)

.380 [9,65]
.910 [23,11] MAX

.380 [9,65] .380 [9,65]

1.340 [34,04] MAX

Terminal Identification

STANDARD
0.00 = inches
[0,0] = mm

Mounting dimensions for reference only.

Non-functional terminals not supplied.

MOUNTING DIMENSIONS - FOUR POLE / 8522, 8528

.432
[10,97]

.076
[1,93]

KEYWAY

.240 DIA.
[6.10]

33°

16.5°

.690
[17,53]

.470
[11,94]

15/32-32 UN-2A
THREAD TO WITHIN
.060 [1,52] OF SHOULDER

.130
[3,30]

1.100 MAX.
[27,94]

1.370 MAX.
[34,80]

.250
[6,35]

.130
[3,30]

#6-32 TERMINALSCREW WITH INTERNAL
TOOTH LOCKWASHER (SEMS)

.370
[9,40]

.370
[9,40]

.370
[9,40]

1.660 MAX.
[42,16]

.380
[9,65]

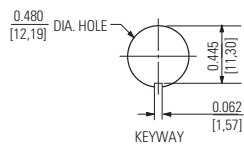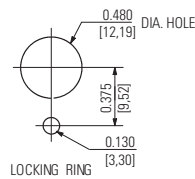.380
[9,65]

1.340 MAX.
[34,04]
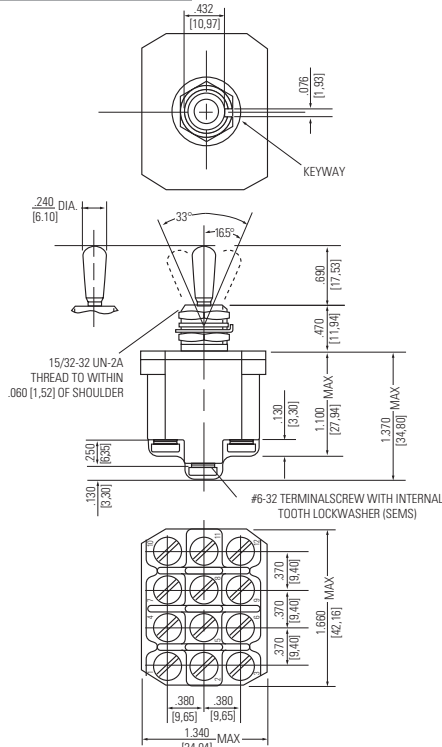
Terminal Identification

OPTIONS/ACCESSORIES

- Special mounting hardware
- Mounting hardware furnished assembled
- Terminal screws furnished assembled
- Special circuits
- Panel seal, part number 32-341
- Spade terminal adapters available

PANEL CUTOUT

15/32 DIA. BUSHING

0.480 DIA. HOLE
[12,19]

0.375
[9,52]

0.130
[3,30]

LOCKING RING

0.480 DIA. HOLE
[12,19]

0.445
[11,30]

0.062
[1,57]

KEYWAY

STANDARD

0.00 = inches

[0,0] = mm

Mounting dimensions for reference only.

Non-functional terminals not supplied.

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8510K10 8504K7 8531K33 8537K94D 8502K5 8531K3 8502K4 8537K314A 8501K5 8531K39 8502K1 8502K9 8502K2 8511K3 8531K316 8510K9 8530K5 8530K3 8500K4 8501K11 8501K1 8501K9 8500K11 8497K11 8500K1 8501K4 8531K2 8501K3 8498K6 8492K1 8497K3 8501K2