

ENVIRONMENTALLY SEALED POSITIVE ACTION SWITCHES

Series—8836-8838 MIL-S-8834 Environmentally Sealed Positive Action Switches & 8843-8845

FEATURES	SPECIFICATIONS	CURRENT RATINGS											
• Environmentally sealed • High electrical/mechanical reliability • Non-teasible mechanism • Wiping action contacts • Positive make and break action • Molded-in terminal numbers • One hole mounting for easy installation • Terminal variations • Toggle and lever lock actuators • Dry circuit (logic level loads) to power switching levels • 1, 2, and 4 pole circuitry • Solderable screw terminals	• Environmentally sealed per MIL-S-8834 • MSA approved and QPL'd per MIL-S-8834 • Two terminal variations - Screw 6-32 UNC-2B threads - Solder Lug .125 [3,17] dia. hole • Temperature range: -67°F to +160°F (-55°C to +71°C) • Life: 20,000 cycles at rated load 40,000 cycles mechanical life • Positive action mechanism for high reliability and low contact bounce	No. of Poles	Catalog Number	Type of Operation	28VDC (Amperes per pole)			115VAC 400Hz			115VAC 60Hz		
					Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load
		1	8836 and 8843	Maintained and Momentary	7	25	15	7	25	15	7	20	15
		2	8837 and 8844	Maintained and Momentary	7	25	15	7	25	15	7	20	15
		4	8838 and 8845	Maintained and Momentary	7	25	15	7	25	15	7	20	15
Minimum Rating: 25 μ A at 5 millivolts.													

SELECTION TABLE

CIRCUIT WITH LEVER IN...							
Up Position	Center Position	Down Position (Keyway)	Screw Terminal		Solder Lug		
			MS Part Number	Catalog Number	MS Part Number	Catalog Number	
ONE POLE							
ON	OFF	ON	MS25306-212	8836K1	MS14001-212	8836K91	
ON	NONE	OFF	-222	K9	-222	K99	
ON	NONE	ON	-232	K4	-232	K94	
ON	OFF	NONE	-242	K6	-242	K96	
ON	NONE	ON*	MS25306-262	8836K5	MS14001-262	8836K95	
ON	OFF	ON	-272	K2	-272	K92	
NONE	OFF	ON*	-282	K7	-282	K97	
ON	NONE	OFF*	-292	K10	-292	K910	
OFF	NONE	ON*	MS25306-302	8836K11	MS14001-302	8836K911	
ON	OFF	ON*	-312	K3	-312	K93	
TWO POLE							
ON	OFF	ON	MS25307-212	8837K1	MS14002-212	8837K91	
ON	NONE	OFF	-222	K9	-222	K99	
ON	NONE	ON	-232	K4	-232	K94	
ON	OFF	NONE	-242	K6	-242	K96	
ON	NONE	ON*	MS25307-262	8837K5	MS14002-262	8837K95	
ON	OFF	ON	-272	K2	-272	K92	
NONE	OFF	ON*	-282	K7	-282	K97	
ON	NONE	OFF*	-292	K10	-292	K910	
OFF	NONE	ON*	MS25307-302	8837K11	MS14002-302	8837K911	
ON	OFF	ON*	-312	K3	-312	K93	
FOUR POLE							
ON	OFF	ON	MS25308-212	8838K1	MS14003-212	8838K91	
ON	NONE	OFF	-222	K9	-222	K99	
ON	NONE	ON	-232	K4	-232	K94	
ON	OFF	NONE	-242	K6	-242	K96	
ON	NONE	ON*	MS25308-262	8838K5	MS14003-262	8838K95	
ON	OFF	ON	-272	K2	-272	K92	
NONE	OFF	ON*	-282	K7	-282	K97	
ON	NONE	OFF*	-292	K10	-292	K910	
OFF	NONE	ON*	MS25308-302	8838K11	MS14003-302	8838K911	
ON	OFF	ON*	-312	K3	-312	K93	

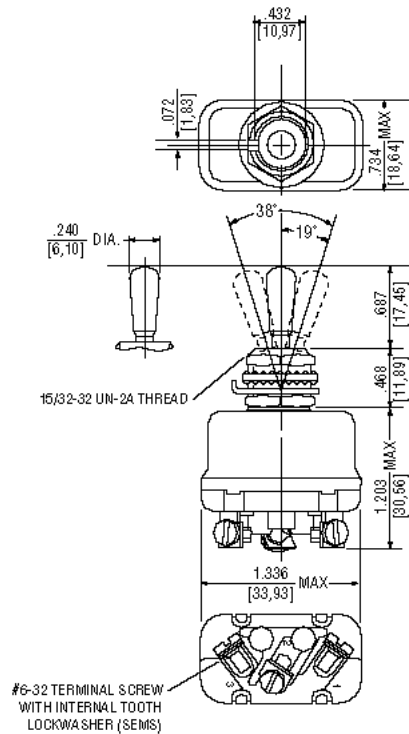
* Momentary contact.

See page 77 for special circuit diagrams.

ENVIRONMENTALLY SEALED POSITIVE ACTION SWITCHES

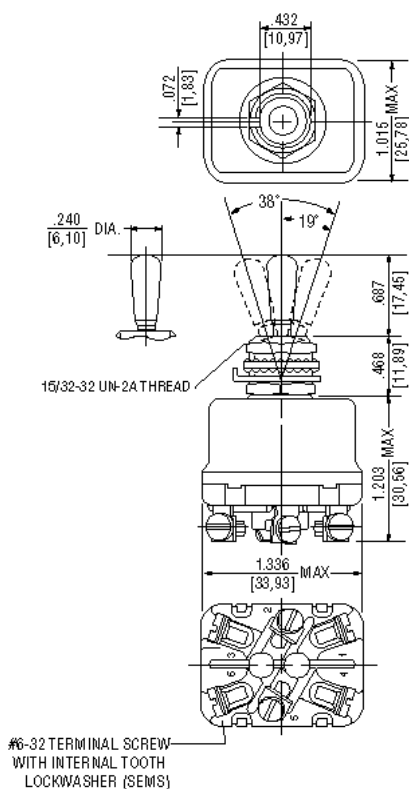
Series—8836-8838 MIL-S-8834 Environmentally Sealed Positive Action Switches
& 8843-8845

MOUNTING DIMENSIONS—ONE POLE / 8836



Terminal Identification

MOUNTING DIMENSIONS—TWO POLE / 8837



Terminal Identification

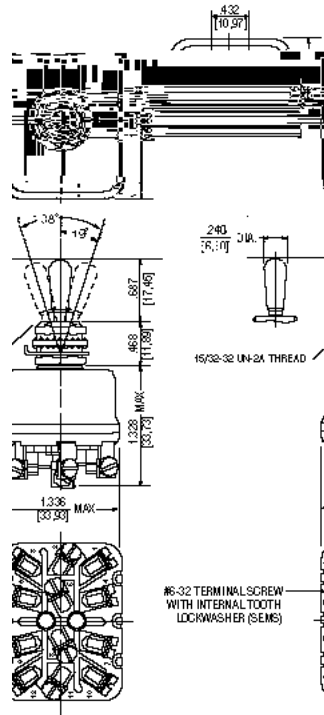
STANDARD
0.00 = inches
[0,0] = mm

**Mounting dimensions for reference only.
Non-functional terminals not supplied.**

ENVIRONMENTALLY SEALED POSITIVE ACTION SWITCHES

Series—8836-8838 MIL-S-8834 Environmentally Sealed Positive Action Switches & 8843-8845

MOUNTING DIMENSIONS—FOUR POLE / 8838 SCREW TERMINALS

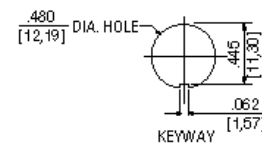
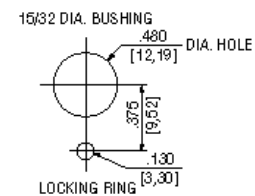


Terminal Identification
Non-functional terminals not supplied.

OPTIONS/ACCESSORIES

- Special mounting hardware
- Mounting hardware furnished assembled
- Panel seal, Part Number 32-341
- Terminal screws furnished assembled
- Terminal screws omitted
- Solder lug termination
- Substitute sems screws
- Special marking
- Special "3 Cateye" luminous lever attachment - 8836-8838 only
- Lever extensions and attachable tips (See Accessories and Custom components section)

PANEL CUTOUT DIMENSIONS

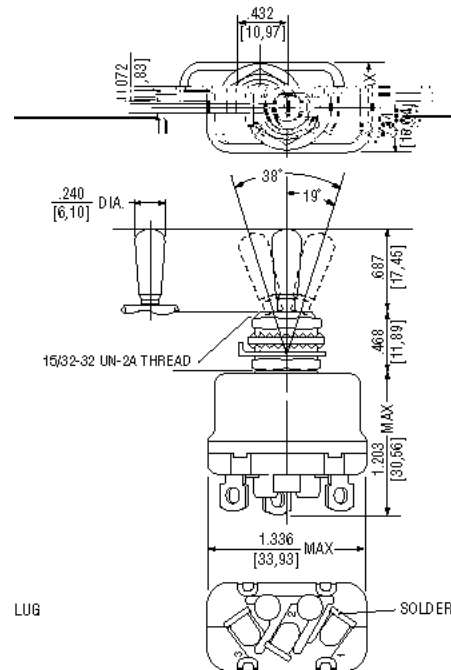


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ENVIRONMENTALLY SEALED POSITIVE ACTION SWITCHES

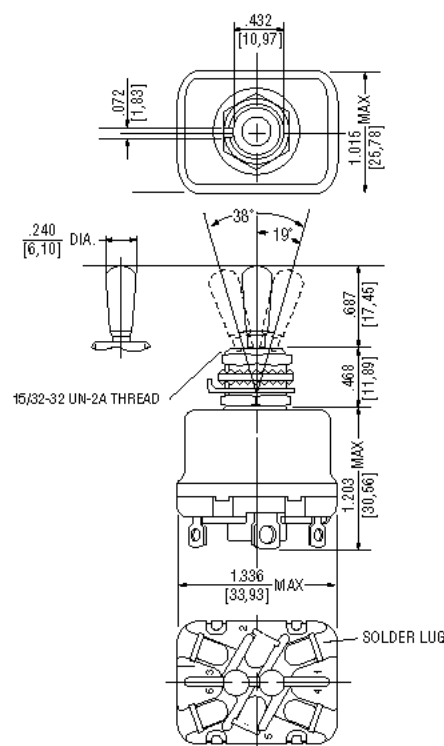
Series—8836-8838 MIL-S-8834 Environmentally Sealed Positive Action Switches
& 8843-8845

MOUNTING DIMENSIONS—ONE POLE / 8836 SOLDER LUG TERMINALS



Terminal Identification

MOUNTING DIMENSIONS—TWO POLE / 8837 SOLDER LUG TERMINALS



STANDARD
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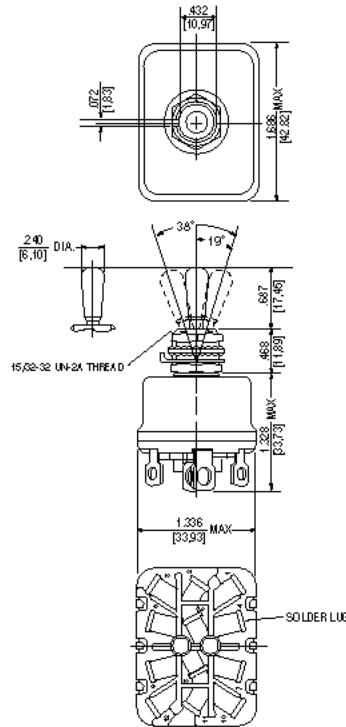
Mounting dimensions for reference only.
Non-functional terminals not supplied.

Terminal Identification

ENVIRONMENTALLY SEALED POSITIVE ACTION SWITCHES

Series—8836-8838 MIL-S-8834 Environmentally Sealed Positive Action Switches & 8843-8845

MOUNTING DIMENSIONS—FOUR POLE / 8838 SOLDER LUG TERMINALS



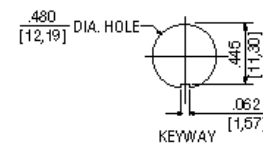
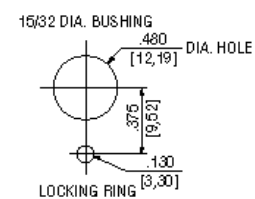
Terminal Identification

Non-functional terminals not supplied.

OPTIONS/ACCESSORIES

- Special mounting hardware
- Mounting hardware furnished assembled
- Panel seal, Part Number 32-341
- Terminal screws furnished assembled
- Terminal screws omitted
- Solder lug termination
- Substitute sems screws
- Special marking
- Special "3 Cateye" luminous lever attachment - 8836-8838 only
- Lever extensions and attachable tips (See Accessories and Custom components section)
- Custom wiring harnesses

PANEL CUTOUT DIMENSIONS



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Mounting dimensions for reference only.

ENVIRONMENTALLY SEALED POSITIVE ACTION SWITCHES

Series—8836-8838
& 8843-8845

MIL-S-8834 Environmentally Sealed Positive Action Switches
Lever Lock

SELECTION TABLE

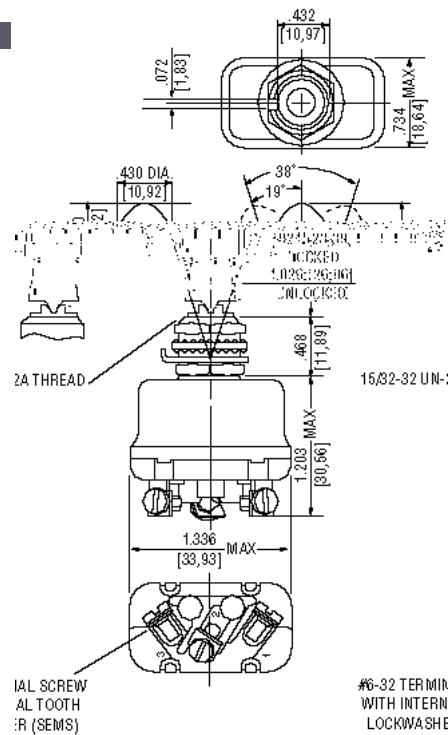


Up Position	Center Position	Down Position (Keyway)	Lever Lock ① Bushing Style	MS Part Number	Catalog Number
ONE POLE					
ON→	OFF→	ON	A	MS24612-A212	8843K1
ON	OFF→	ON	B	-B212	K2
ON	OFF	NONE	B	-B242	K16
ON	OFF	ON	C	-C212	K3
ON	NONE	OFF	C	-C222	K9
ON	NONE	ON	C	MS24612-C232	8843K7
ON	OFF	ON	D	-D212	K4
ON→	OFF	ON	E	-E212	K5
ON→	NONE	OFF	E	-E222	K10
ON→	NONE	ON	E	-E232	K6
ON	OFF→	ON*	F	MS24612-F272	8843K12
ON	OFF→	ON*	G	-G312	K13
ON	OFF	ON*	H	-H272	K14
ON→	OFF	NONE	J	-J242	K11
NONE	OFF→	ON*	K	-K282	K15
ON	OFF→	ON*	K	MS24612-K312	8843K18
ON→	NONE	ON*	L	-L262	K20
ON→	NONE	OFF*	L	-L292	K21
OFF→	NONE	ON*	L	-L302	K19
ON	OFF	ON*	M	-M312	K8
ON→	OFF	ON*	N	-N312	K17
TWO POLE					
ON→	OFF→	ON	A	MS24613-A212	8844K1
ON	OFF→	ON	B	-B212	K2
ON	OFF	NONE	B	-B242	K16
ON	OFF	ON	C	-C212	K3
ON	NONE	OFF	C	-C222	K9
ON	NONE	ON	C	MS24613-C232	8844K7
ON	OFF	ON	D	-D212	K4
ON→	OFF	ON	E	-E212	K5
ON→	NONE	OFF	E	-E222	K10
ON→	NONE	ON	E	-E232	K6
ON	OFF→	ON*	F	MS24613-F272	8844K12
ON	OFF→	ON*	G	-G312	K13
ON	OFF	ON*	H	-H272	K14
ON→	OFF	NONE	J	-J242	K11
NONE	OFF→	ON*	K	-K282	K15
ON	OFF→	ON*	K	MS24613-K312	8844K18
ON→	NONE	ON*	L	-L262	K20
ON→	NONE	OFF*	L	-L292	K21
OFF→	NONE	ON*	L	-L302	K19
ON	OFF	ON*	M	-M312	K8
ON→	OFF	ON*	N	-N312	K17
FOUR POLE					
ON→	OFF→	ON	A	MS24614-A212	8845K1
ON	OFF→	ON	B	-B212	K2
ON	OFF	NONE	B	-B242	K16
ON	OFF	ON	C	-C212	K3
ON	NONE	OFF	C	-C222	K9
ON	NONE	ON	C	MS24614-C232	8845K7
ON	OFF	ON	D	-D212	K4
ON→	OFF	ON	E	-E212	K5
ON→	NONE	OFF	E	-E222	K10
ON→	NONE	ON	E	-E232	K6
ON	OFF→	ON*	F	MS24614-F272	8845K12
ON	OFF→	ON*	G	-G312	K13
ON	OFF	ON*	H	-H272	K14
ON→	OFF	NONE	J	-J242	K11
NONE	OFF→	ON*	K	-K282	K15
ON	OFF→	ON*	K	MS24614-K312	8845K18
ON→	NONE	ON*			

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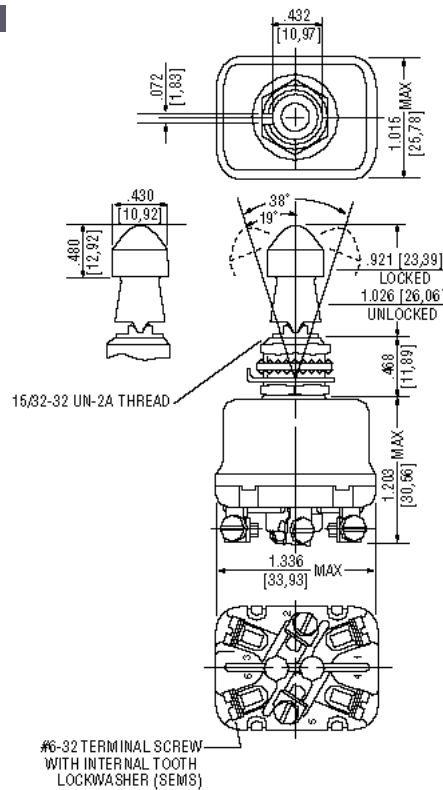
Series—8836-8838 MIL-S-8834 Environmentally Sealed Positive Action Switches
& 8843-8845 Lever Lock

MOUNTING DIMENSIONS—ONE POLE / 8843



Terminal Identification

MOUNTING DIMENSIONS—TWO POLE / 8844



Terminal Identification

STANDARD
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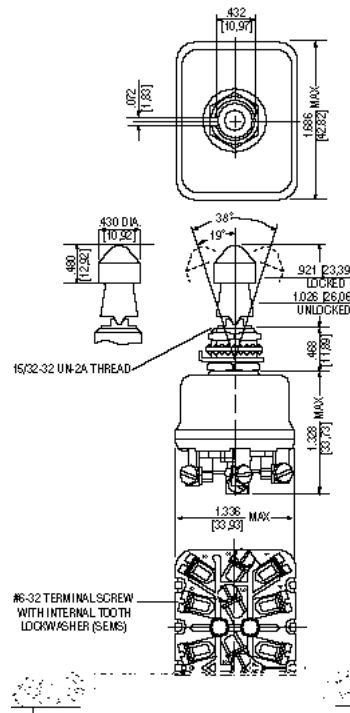
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MIL-S-8834 Environmentally Sealed Positive Action Switches Lever Lock

MOUNTING DIMENSIONS—FOUR POLE / 8845

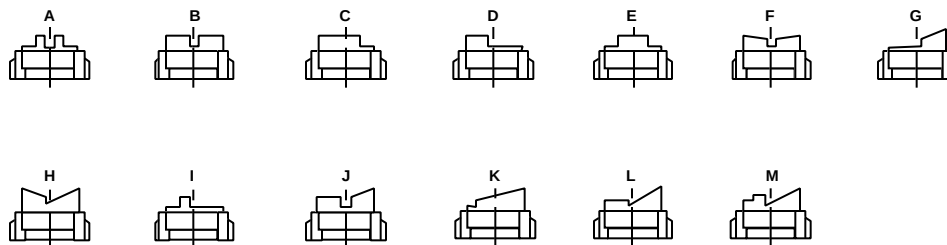


Terminal Identification

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LEVER LOCK – BUSHING STYLES

KEYWAY SIDE

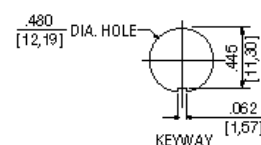
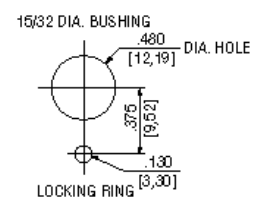


OPTIONS/ACCESSORIES

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- Terminal screws furnished assembled
- Terminal screws omitted
- Solder lug termination
- Substitute sems screws

PANEL CUTOUT DIMENSIONS

- Special marking
- Special “3 Cateye” luminous lever attachment - 8836-8838 only
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