## MILITARY - ENVIRONMENTALLY SEALED SWITCHES Series - 8500, 8501, 8502

# MIL-DTL-3950 Toggle Switches

#### FEATURES

- Environmentally sealed
- 1, 2 and 4 pole circuitry
- 2 & 3 position with maintained and momentary action
- Molded-in terminal inserts and terminal numbers

#### SPECIFICATIONS

- Environmentally sealed per MIL-DTL-3950
- MS approved and QPL'd per MIL-DTL-3950Thermoset molding materials meet
- flame retardant requirements
- Bushing: 15/32" 32 thread
  Temperature Range: -85°F to +160°F
- (-65°C to +71°C) • Life: 20,000 operations at rated load 40,000 operations mechanical life

				CUR	RENT	RATING	iS		
		Catalog Number	Type of Operation		28VDC			115 VAC 60 or 400	
,				Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load
	1	8500	Maintained	5	20	15	3	15	10
			Momentary	4	15	10	2	15	7
	2	8501	Maintained	7	20	15	4	15	15
			Momentary	5	18	10	2	11	8
	4	8502	Maintained	5	20	12	4	15	15
			Momentary	4	18	10	2	11	8

Minimum Rating: "Intermediate Current" per MIL-DTL-3950.

#### STANDARD LEVER SELECTION TABLE







CIRCUIT WITH LEVER IN			ONE	POLE	TWO POLE		FOUR POLE	
Up Position	Center Position	Down Position (Keyway)						
1	1	1	MS Part Number	Catalog Number	MS Part Number	Catalog Number	MS Part Number	Catalog Number
ON	OFF	ON	MS24523-21	8500K1	MS24524-21	8501K1	MS24525-21	8502K1
ON	NONE	OFF	-22	К9	-22	К9	-22	К9
ON	NONE	ON	-23	K4	-23	K4	-23	K4
ON	OFF	NONE	-24	K6	-24	K6	-24	K6
ON	NONE	ON*	MS24523-26	8500K5	MS24524-26	8501K5	MS24525-26	8502K5
* ON	OFF	ON*	-27	K2	-27	K2	-27	K2
NONE	OFF	ON*	-28	K7	-28	K7	-28	K7
ON	NONE	OFF*	-29	K10	-29	K10	-29	K10
OFF	NONE	ON*	-30	K11	-30	K11	-30	K11
ON	OFF	ON*	MS24523-31	8500K3	MS24524-31	8501K3	MS24525-31	8502K3
* ON	ON	NONE	-32	K12	-32	K12	-32	K12
ON	ON	NONE	-33	K13	-33	K13	-33	K13
ON	ON	ON	_	_	MS27407-1	8501K14	MS27406-1	8502K15
ON	ON	ON*	_	_	-2	K15	-2	K16
* ON	ON	ON*	_	_	-3	K16	-3	K17
ON	ON	ON		_	-4	K17		_
ON	ON	ON*	_	_	-5	K18		_
* ON	ON	ON*	_	_	-6	K19	_	_

\* Momentary contact.

See page A71 for circuit diagrams.

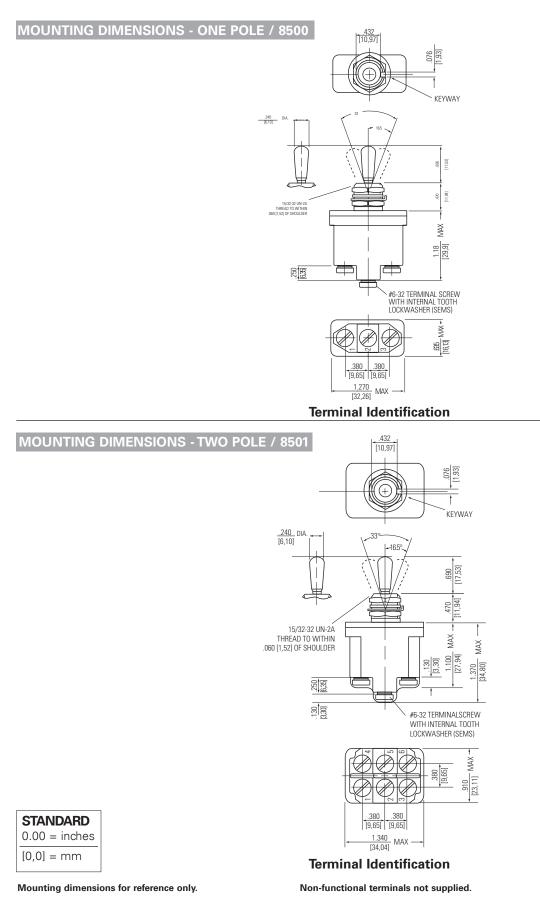
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### Series - 8500, 8501, 8502

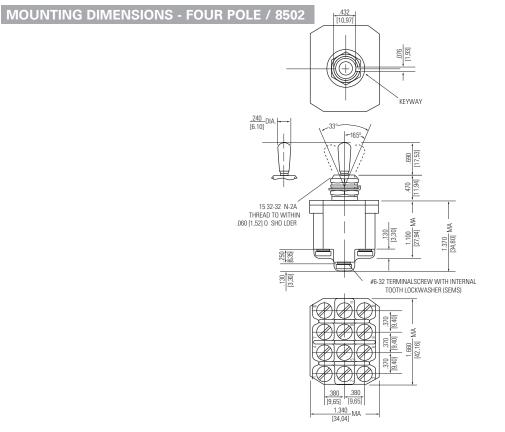




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## MIL-DTL-3950 Toggle Switches



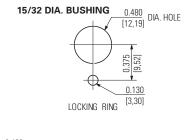
**Terminal Identification** 

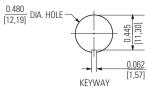
Non-functional terminals not supplied.

#### **OPTIONS/ACCESSORIES**

- Special mounting hardware
- Mounting hardware furnished assembled
- Terminal screws furnished assembled
- Special circuits
- Panel seal, part number 32-341 (See Accessories and Custom Components section)
- Special "3 Cateye" luminous lever attachment
- Lever extensions and attachable tips (See Accessories and Custom Components section)
- Custom wiring harnesses







**STANDARD** 0.00 = inches [0,0] = mm

#### Mounting dimensions for reference only.

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