



#### AC Rated (Heavy Duty) MIL-S-83731 with Lever Seal

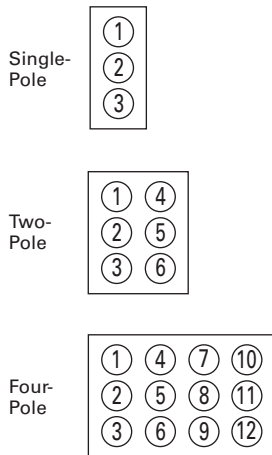
Current Ratings	Poles and Throw	Circuit with Toggle in ...			Base Circuit See Page V11-T4-35	Bushing Length "A" Inches (mm)	Lever Length "B" Inches (mm)	Screw Terminals with Sealed Lever	
		UP Position	CENTER Position	DOWN Position				MS Part Number	Catalog Number
<b>Single-Pole</b>									
See A below	1PST	ON	NONE	OFF	A	0.468 (11.89)	0.687 (17.45)	MS35058-22	8801K22
See B below		ON	OFF	NONE				MS35058-24	8801K23
See B below		ON	NONE	MOM. OFF				MS35058-29	8813K17
See B below		ON	MOM. OFF	NONE				MS35058-25	8813K18
See B below		NONE	OFF	MOM. ON				MS35058-28	8811K18
See B below	OFF	NONE	MOM. ON	MS35058-30	8811K17				
See A below	1PDT	ON	OFF	ON	B	0.468 (11.89)	0.687 (17.45)	MS35058-21	8800K16
See B below		ON	NONE	ON				MS35058-23	8810K15
See B below		ON	NONE	MOM. ON				MS35058-26	8804K13
See B below		MOM. ON	OFF	MOM. ON				MS35058-27	8812K14
See B below		ON	OFF	MOM. ON				MS35058-31	8809K16
<b>Two-Pole</b>									
See C below	2PST	ON	NONE	OFF	C	0.468 (11.89)	0.687 (17.45)	MS35059-22	8822K20
See D below		ON	OFF	NONE				MS35059-24	8822K21
See D below		ON	NONE	MOM. OFF				MS35059-29	8828K13
See D below		ON	MOM. OFF	NONE				MS35059-25	8828K12
See D below		NONE	OFF	MOM. ON				MS35059-28	8826K14
See D below	OFF	NONE	MOM. ON	MS35059-30	8826K15				
See C below	2PDT	ON	OFF	ON	D	0.468 (11.89)	0.687 (17.45)	MS35059-21	8820K16
See D below		ON	NONE	ON				MS35059-23	8824K14
See D below		ON	NONE	MOM. ON				MS35059-26	8830K13
See D below		MOM. ON	OFF	MOM. ON				MS35059-27	8834K5
See D below		ON	OFF	MOM. ON				MS35059-31	8832K6
See E below	1P3T in a 2P base	ON <sup>①</sup>	ON <sup>②</sup>	ON <sup>④</sup>	See Page V11-T4-35	0.468 (11.89)	0.687 (17.45)	MS25201-4	8860K4
See E below		ON <sup>①</sup>	ON <sup>②</sup>	MOM. ON <sup>④</sup>				MS25201-5	8860K5
See E below		MOM. ON <sup>①</sup>	ON <sup>②</sup>	MOM. ON <sup>④</sup>				MS25201-6	8860K6
See E below		ON <sup>①</sup>	ON <sup>③</sup>	ON <sup>④</sup>				MS25201-7	8860K7 <sup>⑤</sup>
See E below		ON <sup>①</sup>	ON <sup>③</sup>	MOM. ON <sup>④</sup>				MS25201-8	8860K8 <sup>⑤</sup>
See E below	MOM. ON <sup>①</sup>	ON <sup>③</sup>	MOM. ON <sup>④</sup>	MS25201-9	8860K9 <sup>⑤</sup>				
<b>Four-Pole</b>									
See F below	4PST	ON	NONE	OFF	E	0.468 (11.89)	0.687 (17.45)	—	7660K12
See G below		ON	OFF	NONE				MS25068-24	7660K13
See G below		ON	MOM. OFF	NONE				MS25068-25	7668K7
See G below		NONE	OFF	MOM. ON				MS25068-28	7666K9
See G below	OFF	NONE	MOM. ON	—	7666K6				
See F below	4PDT	ON	OFF	ON	F	0.468 (11.89)	0.687 (17.45)	MS25068-21	7662K7
See G below		ON	NONE	ON				MS25068-23	7664K5
See G below		ON	NONE	MOM. ON				MS25068-26	7674K5
See G below		MOM. ON	OFF	MOM. ON				MS25068-27	7672K5
See G below	ON	OFF	MOM. ON	MS25068-31	7670K6				

#### Current Ratings

Switch	Type of Operation	Current Capacity in Amperes per Pole									
		28 Vdc			115 Vac, 60 Hz			115 Vac, 400 Hz			
		Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load	
A	MS35058	Maintained	7	25	15	—	10	10	3	10	10
B	MS35058	Momentary	5	20	10	—	10	7	—	—	—
C	MS35059	Maintained	7	20	15	—	20	—	4	20	15
D	MS35059	Momentary	5	18	10	—	11	—	—	—	—
E	MS25201	ON-ON-ON	5	18	10	2	11	8	2	11	8
F	MS25068	Maintained	5	20	12	—	—	—	4	20	15
G	MS25068	Momentary	4	18	10	—	—	—	2	11	5

#### Notes

- ① Across terminals 2-3 and 5-6.
- ② Across terminals 1-2 and 5-6.
- ③ Across terminals 2-3 and 4-5.
- ④ Across terminals 1-2 and 4-5.
- ⑤ For "INDEPENDENT ON-ON-ON" circuit arrangement, see Page V11-T4-35.



### Terminal Identification

When specified on order, switches will have the terminals identified as shown in the illustration at right. Terminal markings will be ink-stamped on the side of the switch case and unused terminal positions will not be identified.

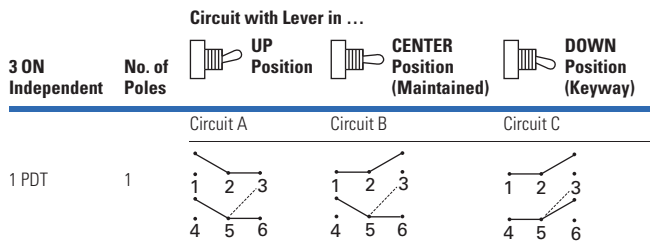
All views are rear of switch with keyway or at down as applicable. Terminal numbers 2, 2 and 5 and 5 and 8 are considered inboard terminals for single-, two- and four-pole switches respectively. All others are considered outboard.

### “Three Independent” ON-ON-ON Circuit Diagram

For switch modified with “Three Independent” ON-ON-ON special circuit. External jumpers are required. User to connect wiring per instructions given below.

#### ON-ON-ON Special Circuit

Connection Points	Single-Pole
Connect common to terminals	2
Connect circuit “A” to terminals	6
Connect circuit “B” to terminals	4
Connect circuit “C” to terminals	1



### Circuit Diagrams

#### Special General Purpose Toggle Circuits

Circuit Number	Schematic
7530	
7571	
7555	

### Toggle Circuit Diagrams

Circuit Letter	Schematic	Circuit Letter	Schematic
<b>A</b> 1PST		<b>I</b> 2 Circuit ⑤	
<b>B</b> 1PDT		<b>J</b> 1PST	
<b>C</b> 2PST		<b>K</b> 1PDT	
<b>D</b> 2PDT		<b>L</b> 2PST	
<b>E</b> 4PST ①		<b>M</b> 2PST	
<b>F</b> 4PDT ②		<b>N</b> ⑥ 2PDT	
<b>G</b> ③ 1PST		<b>P</b> 1PDT	
<b>H</b> ④ 1PDT		<b>Q</b> ⑦ 2 Circuit	

### Legends

#### Toggle Switch Legend

Legend	Toggle Switch Type
●	Contact terminal—will make contact with switch lever
○	Isolated terminal—does not make contact with lever
⊙	Center terminal and switch lever
⊗	Bulb
⚡	Momentary contact
•	Denotes mechanical contact portion

#### Notes

- ① Poles 11 and 12 may be eliminated for three-pole devices.
- ② Poles 10, 11 and 12 may be eliminated for three-pole devices.
- ③ Dependent lamp.
- ④ Independent lamp.
- ⑤ Two circuit—indicates a special type of double-throw switch in which the two circuits being controlled may be independent of each other.
- ⑥ For 206 Series, an additional lamp is available.
- ⑦ Available in 1PDT or 2PDT.