

INDUSTRIAL - ENVIRONMENTALLY SEALED SWITCHES

Series - 8530, 8531, 8532

Econoswitch Sealed Toggle Switches

FEATURES

- Environmentally sealed
- 1, 2 and 4 pole Circuitry
- One hole mounting for easy installation
- Multi-circuits
- 2 & 3 position with maintained and momentary action
- Three types of termination offered as standard

SPECIFICATIONS







- Watertight seal per MIL-STD-108E and designed to meet IP68
- UL recognized and CSA certified
- Three standard types of terminals:
 - Screw 6-32 UNC-2A
 - Solder lug .125 [3,17] dia. hole
 - Spade .250 [6,35] x .032 [0,81] thick
- Life: 50,000 operations at rated load. 100,000 operations mechanical life.
- Temperature Range: -50°F to +150°F (-46°C to +66°C)

CURRENT RATINGS

No. of Poles	Catalog Number	Type of Operation	28VDC			115VAC 60 or 400Hz		
			Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load
1	8530	Maintained	5	20	15	3	15	10
		Momentary	4	15	10	2	11	7
2	8531	Maintained	7	20	15	4	15	15
		Momentary	5	18	10	2	11	8
4	8532	Maintained	5	20	12	4	15	15
		Momentary	4	18	10	2	11	8

For the UL/CSA ratings, see page A70.

STANDARD LEVER SELECTION TABLE

		CIRCUIT WITH LEVER IN . . .			CATALOG NUMBER		
		Up Position	Center Position	Down Position (Keyway)	Screw Terminals	Solder Lug Terminals	Spade Terminals
							
8530 	ONE POLE						
	ON	OFF	ON	8530K1	8530K91	8530K31	
	ON	NONE	OFF	K9	K99	K39	
	ON	NONE	ON	K4	K94	K34	
	ON	OFF	NONE	K6	K96	K36	
	ON	OFF*	NONE	K8	K98	K38	
	ON	NONE	ON*	8530K5	8530K95	8530K35	
	ON*	OFF	ON*	K2	K92	K32	
	NONE	OFF	ON*	K7	K97	K37	
	ON	NONE	OFF*	K10	K910	K310	
	OFF	NONE	ON*	K11	K911	K311	
	ON	OFF	ON*	8530K3	8530K93	8530K33	
	ON*	ON	NONE	K12	K912	K312	
	ON	ON	NONE	K13	K913	K313	
	8531 	TWO POLE					
ON		OFF	ON	8531K1	8531K91	8531K31	
ON		NONE	OFF	K9	K99	K39	
ON		NONE	ON	K4	K94	K34	
ON		OFF	NONE	K6	K96	K36	
ON		OFF*	NONE	K8	K98	K38	
ON		NONE	ON*	8531K5	8531K95	8531K35	
ON*		OFF	ON*	K2	K92	K32	
NONE		OFF	ON*	K7	K97	K37	
ON		NONE	OFF*	K10	K910	K310	
OFF		NONE	ON*	K11	K911	K311	
ON		OFF	ON*	8531K3	8531K93	8531K33	
ON*		ON	NONE	K12	K912	K312	
ON		ON	NONE	K13	K913	K313	
ON		ON	ON	K14	K914	K314	
ON	ON	ON*	K15	K915	K315		
ON*	ON	ON*	8531K16	8531K916	8531K316		
ON	ON	ON	K17	K917	K317		
ON	ON	ON*	K18	K918	K318		
ON*	ON	ON*	K19	K919	K319		
8532 	FOUR POLE						
	ON	OFF	ON	8532K1	8532K91	8532K31	
	ON	NONE	OFF	K9	K99	K39	
	ON	NONE	ON	K4	K94	K34	
	ON	OFF	NONE	K6	K96	K36	
	ON	OFF*	NONE	K8	K98	K38	
	ON	NONE	ON*	8532K5	8532K95	8532K35	
	* ON	OFF	ON*	K2	K92	K32	
	NONE	OFF	ON*	K7	K97	K37	
	ON	NONE	OFF*	K10	K910	K310	
	OFF	NONE	ON*	K11	K911	K311	
	ON	OFF	ON*	8532K3	8532K93	8532K33	
	* ON	ON	NONE	K12	K912	K312	
	ON	ON	NONE	K13	K913	K313	
	ON	ON	ON	K15	K915	K315	
ON	ON	ON*	K16	K916	K316		
* ON	ON	ON*	K17	K917	K317		

* Momentary contact.
See page A71 for circuit diagrams.

ECONOSWITCH - ENVIRONMENTALLY SEALED SWITCHES

Series - 8536, 8537, 8538

Econoswitch Sealed Leverlock Toggle Switches

FEATURES

- Environmentally sealed
- 1, 2 and 4 pole circuitry
- Locking actuator for safety
- One hole mounting for easy installation
- Over 25 standard locking configurations
- 2 & 3 position with maintained and momentary action
- Multi-circuits
- Three types of termination offered as standard
- Also available with toggle and Designerline Actuator. For details see page A11 for toggles and page A17 for Designerline.

SPECIFICATIONS

- Watertight seal per MIL-STD-108E and designed to meet IP68
- UL recognized and CSA certified
- Temperature range: -50°F to +150°F (-46°C to +66°C)
- Life: 50,000 operations at rated load
100,000 operations mechanical life
- Bushing: 15/32" - 32 thread

CURRENT RATINGS







No. of Poles	Catalog Number	Type of Operation	28VDC			115VAC 60 or 400Hz		
			Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load
1	8536	Maintained	5	20	15	3	15	10
		Momentary	4	15	10	2	15	7
2	8537	Maintained	7	20	15	4	15	15
		Momentary	5	18	10	2	11	8
4	8538	Maintained	5	20	12	4	15	15
		Momentary	4	18	10	2	11	8

For the UL/CSA ratings, see page A70.

LEVER LOCK SELECTION TABLE

CIRCUIT WITH LEVER IN . . .

CATALOG NUMBER

	Up Position 	Center Position 	Down Position (Keyway) 	Screw Terminals	Solder Lug Terminals	Spade Terminals	Available Locking Configurations
ONE POLE							
	ON	OFF	ON	8536K1 Δ	8536K91 Δ	8536K31 Δ	ALL
	ON	NONE	OFF	K9 Δ	K99 Δ	K39 Δ	D, F, G
	ON	NONE	ON	K4 Δ	K94 Δ	K34 Δ	D, F, G
	ON	OFF	NONE	K6 Δ	K96 Δ	K36 Δ	E, F, K, M
	ON	OFF*	NONE	K8 Δ	K98 Δ	K38 Δ	F
	ON	NONE	ON*	8536K5 Δ	8536K95 Δ	8536K35 Δ	F
	ON	OFF	ON	K2 Δ	K92 Δ	K32 Δ	E, L, N
	NONE	OFF	ON*	K7 Δ	K97 Δ	K37 Δ	E
	ON	NONE	OFF*	K10 Δ	K910 Δ	K310 Δ	F
	OFF	NONE	ON*	K11 Δ	K911 Δ	K311 Δ	F
	ON	OFF	ON*	8536K3 Δ	8536K93 Δ	8536K33 Δ	E, F, K, L, M, N
	*ON	ON	NONE	K12 Δ	K912 Δ	K312 Δ	E
ON	ON	NONE	K13 Δ	K913 Δ	K313 Δ	E, F, K, M	
TWO POLE							
	ON	OFF	ON	8537K1 Δ	8537K91 Δ	8537K31 Δ	ALL
	ON	NONE	OFF	K9 Δ	K99 Δ	K39 Δ	D, F, G
	ON	NONE	ON	K4 Δ	K94 Δ	K34 Δ	D, F, G
	ON	OFF	NONE	K6 Δ	K96 Δ	K36 Δ	E, F, K, M
	ON	OFF*	NONE	K8 Δ	K98 Δ	K38 Δ	F
	ON	NONE	ON*	8537K5 Δ	8537K95 Δ	8537K35 Δ	F
	ON	OFF	ON	K2 Δ	K92 Δ	K32 Δ	E, L, N
	NONE	OFF	ON*	K7 Δ	K97 Δ	K37 Δ	E
	ON	NONE	OFF*	K10 Δ	K910 Δ	K310 Δ	F
	OFF	NONE	ON*	K11 Δ	K911 Δ	K311 Δ	F
	ON	OFF	ON*	8537K3 Δ	8537K93 Δ	8537K33 Δ	E, F, K, L, M, N
	*ON	ON	NONE	K12 Δ	K912 Δ	K312 Δ	E
ON	ON	NONE	K13 Δ	K913 Δ	K313 Δ	E, F, K, M	
ON	ON	ON	8537K14 Δ	8537K914 Δ	8537K314 Δ	ALL	
ON	ON	ON*	K15 Δ	K915 Δ	K315 Δ	E, F, K, L, M, N	
ON	ON	ON	K16 Δ	K916 Δ	K316 Δ	E, L, N	
ON	ON	ON	K19 Δ	K919 Δ	K319 Δ	E, L, N	
FOUR POLE							
	ON	OFF	ON	8538K1 Δ	8538K91 Δ	8532K31 Δ	ALL
	ON	NONE	OFF	K9 Δ	K99 Δ	K39 Δ	D, F, G
	ON	NONE	ON	K4 Δ	K94 Δ	K34 Δ	D, F, G
	ON	OFF	NONE	K6 Δ	K96 Δ	K36 Δ	E, F, K, M
	ON	OFF*	NONE	K8 Δ	K98 Δ	K38 Δ	F
	ON	NONE	ON*	8538K5 Δ	8538K95 Δ	8532K35 Δ	F
	ON	OFF	ON	K2 Δ	K92 Δ	K32 Δ	E, L, N
	NONE	OFF	ON*	K7 Δ	K97 Δ	K37 Δ	E
	ON	NONE	OFF*	K10 Δ	K910 Δ	K310 Δ	F
	OFF	NONE	ON*	K11 Δ	K911 Δ	K311 Δ	F
	ON	OFF	ON*	8538K3 Δ	8538K93 Δ	8532K33 Δ	E, F, K, L, M, N
	*ON	ON	NONE	K12 Δ	K912 Δ	K312 Δ	E
ON	ON	NONE	K13 Δ	K913 Δ	K313 Δ	E, F, K, M	
ON	ON	ON	8538K15 Δ	8538K915 Δ	K315 Δ	ALL	
ON	ON	ON*	K16 Δ	K916 Δ	K316 Δ	E, F, K, L, M, N	
ON	ON	ON	K17 Δ	K917 Δ	K317 Δ	E, L, N	
ON	ON	ON	K19 Δ	8537K919 Δ	8537K319 Δ	E, L, N	

* **Momentary contact.**

Δ Complete part number requires this symbol to be replaced with a locking configuration letter - selected from page A16.

Example: 8536K31Δ E 8536K31E
 Basic Switch Locking Style Complete Part Number

See Page A71 for circuit diagrams.

SWITCH GUARDS & SHIELDS

Switch Guard Application Table

Switch Catalog Number ^①	Switch Guard Code Number	Switch Catalog Number ^①	Switch Guard Code Number
8200K7 8201K6, K14 8209K6 8210K7 8211K7	1, 3, 6, 17 2, 4, 5, 6 3, 6 6 2, 6	8837K4 & K94 K5 & K95 K6 & K96 K7 & K97 K8 & K98	10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 11, 15, 16
8212K6 8500K1 K2 K3 K4	3, 6 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25	8837K9 & K99 K10 & K910 K11 & K911 8838K1 & K91 K2 & K92	10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29
8500K5 K6 K7 K8 K9	10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 11, 15, 16 10, 12, 15, 16, 21, 25	8838K3 & K93 K4 & K94 K5 & K95 K6 & K96 K7 & K97	13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16
8500K10 K11 K12 K13 8501K1	10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 15, 16 13, 15, 16, 19, 23 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29	8838K8 & K98 K9 & K99 K10 & K910 K11 & K911 8868K1, K51, K61	11, 15, 16 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29
8501K2 K3 K4 K5 K6	13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29	8868K2, K52, K62 K3, K53, K63 K4, K54, K64 K5, K55, K65 K6, K56, K66	13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 9, 13, 15, 16
8501K7 K8 K9 K10 K11	7, 9, 13, 15, 16 11, 15, 16 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25	8868K7, K57, K67 K8, K58, K68 8869K1, K1X, K51, K51X, K61, K61X K2, K2X, K52, K52X, K62, K62X K3, K3X, K53, K53X, K63, K63X	10, 12, 15, 16, 21, 25 10, 12, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29
8501K12 K13 K14 thru K19 8502K1 K2	15, 16 13, 15, 16, 19, 23 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29	8869K4, K4X, K54, K54X, K64, K64X K5, K5X, K55, K55X, K65, K65X K6, K6X, K56, K56X, K66, K66X K7, K7X, K57, K57X, K67, K67X 8867K8, K8X, K58, K58X, K68, K68X	10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 15, 16 10, 12, 15, 16, 21, 25 10, 12, 15, 16, 21, 25
8502K3 K4 K5 K6 K7	13, 14, 15, 16, 18, 19, 22, 23, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16	8869K9, K9X, K59, K59X, K69, K69X K10, K10X, K510, K510X, K610, K610X K11, K11X, K511, K511X, K611, K611X 8854K1 8854K2	7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29
8502K8 K9 K10 K11 K12	11, 15, 16 10, 12, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 15, 16	8854K3 K4 K5 K6 K7	13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 15, 16 10, 12, 15, 16, 21, 25
8502K13 K15 thru K17 8700K15 8701K14 8709K15	13, 15, 16, 19, 23 7, 9, 13, 15, 16, 18, 19, 22, 23, 26-29 1, 3, 6, 17 4, 5, 6 3, 6	8854K8 K9 K10 K11	10, 12, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29
8718K5 8740K12 8742K10 8744K10 8790K4	3, 6 2, 6 3, 6, 17 2, 6 6	8570K1-16, -20 K2-16, -20 K3-16, -20 K4-16, -20 K5-16, -20	7, 9, 13, 14, 16, 18, 19, 22, 23, 26-29 13, 14, 16, 18, 19, 22, 26-29 13, 14, 16, 18, 19, 22, 26-29 10, 11, 16, 20, 21, 24, 25 10, 11, 16, 21, 25
8792K3 8836K1 & K91 K2 & K92 K3 & K93 K4 & K94	6 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 10, 11, 15, 16, 20, 21, 24, 25	8570K6-16, -20 K7-16, -20 K8-16, -20 K9-16, -20 K10-16, -20	13, 16, 19, 23, 26-29 7, 9, 13, 16 11, 16 10, 12, 16, 21, 25 10, 11, 16, 21, 25
8836K5 & K95 K6 & K96 K7 & K97 K8 & K98 K9 & K99	10, 11, 15, 16, 21, 25 13, 15, 16, 19, 23, 26-29 7, 9, 13, 15, 16 11, 15, 16 10, 12, 15, 16, 21, 25	8570K11-16, -20 K12-16, -20 K13-16, -20 8571K1-16, -20 K2-16, -20	10, 11, 16, 21, 25 16 13, 16, 19, 23 7, 9, 13, 14, 16, 18, 19, 22, 23, 26-29 13, 14, 16, 18, 19, 20, 26-29
8836K10 & K910 K11 & K911 8837K1 & K91 K2 & K92 K3 & K93	10, 11, 15, 16, 21, 25 10, 11, 15, 16, 21, 25 7, 9, 13, 14, 15, 16, 18, 19, 22, 23, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29 13, 14, 15, 16, 18, 19, 22, 26-29	8571K3-16, -20 K4-16, -20 K5-16, -20 K6-16, -20 K7-16, -20	13, 14, 16, 18, 19, 22, 26-29 10, 11, 16, 20, 21, 24, 25 10, 11, 16, 21, 25 13, 16, 19, 23, 26-29 7, 9, 13, 16

^① Listing covers only those switches that can be used with a switch guard.

MILITARY - ENVIRONMENTALLY SEALED SWITCHES

Series - 8500, 8501, 8502

MIL-S-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 MILS-3950
- MS approved and QPL'd per MILS-3950
- Thermoset 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

CURRENT RATINGS

No. of Poles	Catalog Number	Type of Operation	28VDC			115 VAC 60 or 400Hz		
			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 MILS-3950

STANDARD LEVER SELECTION TABLE



8500



8501



8502

CIRCUIT WITH LEVER IN . . .			ONE POLE		TWO POLE		FOUR POLE	
Up Position	Center Position	Down Position (Keyway)	MS Part Number	Catalog Number	MS Part Number	Catalog Number	MS Part Number	Catalog Number
			MS24523-21	8500K1	MS24524-21	8501K1	MS24525-21	8502K1
ON	OFF	ON	-22	K9	-22	K9	-22	K9
ON	NONE	OFF	-23	K4	-23	K4	-23	K4
ON	NONE	ON	-24	K6	-24	K6	-24	K6
ON	OFF	NONE	-25	K8	-25	K8	-25	K8
ON	OFF*	NONE	-25	K8	-25	K8	-25	K8
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.

MILITARY - ENVIRONMENTALLY SEALED SWITCHES

Series - 8503, 8504, 8505

MIL-S-3950 Lever Lock Switches

FEATURES

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

SPECIFICATIONS

- Environmentally sealed per MILS-3950
- MS approved and QPL'd per MILS-3950
- Thermoset 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

CURRENT RATINGS

No. of Poles	Catalog Number	Type of Operation	28VDC			115 VAC 60 or 400Hz		
			Lamp Load	Resistive Load	Inductive Load	Lamp Load	Resistive Load	Inductive Load
1	8503	Maintained	5	20	15	3	15	10
		Momentary	4	15	10	2	15	7
2	8504	Maintained	7	20	15	4	15	15
		Momentary	5	18	10	2	11	8
4	8505	Maintained	5	20	12	4	15	15
		Momentary	4	18	10	2	11	8

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

LEVER LOCK SELECTION TABLE



8503



8504



8505

CIRCUIT WITH LEVER IN . . .			Lever Lock Bushing Style	ONE POLE		TWO POLE		FOUR POLE	
Up Position	Center Position	Down Position (Keyway)		Flush Screw Terminals		Flush Screw Terminals		Flush Screw Terminals	
				MS Part Number	Catalog Number	MS Part Number	Catalog Number	MS Part Number	Catalog Number
ON →	← OFF →	← ON	A	MS24658-21A	8503K1	MS24659-21A	8504K1	MS24660-21A	8505K1
ON	← OFF →	← ON	B	-21B	K27	-21B	K27	-21B	K27
ON →	← OFF →	← ON	D	-21D	K5	-21D	K5	-21D	K5
ON	← OFF →	ON	E	-21E	K2	-21E	K2	-21E	K2
ON →	← OFF →	ON	F	-21F	K28	-21F	K28	-21F	K28
ON	← OFF →	← ON	G	MS24658-21G	8503K3	MS24659-21G	8504K3	MS24660-21G	8505K3
ON →	← OFF →	← ON	H	-21H	K29	-21H	K29	-21H	K29
ON	← OFF →	← ON	J	-21J	K30	-21J	K30	-21J	K30
ON →	← OFF →	ON	K	-21K	K31	-21K	K31	-21K	K31
ON	← OFF →	ON	L	-21L	K32	-21L	K32	-21L	K32
ON →	← OFF →	ON	M	MS24658-21M	8503K33	MS24659-21M	8504K33	MS24660-21M	8505K33
ON	← OFF →	ON	N	-21N	K4	-21N	K4	-21N	K4
ON	← OFF →	← ON	P	-21P	K34	-21P	K34	-21P	K34
ON →	NONE	← OFF	D	-22D	K10	-22D	K10	-22D	K10
ON →	NONE	← OFF	F	-22F	K35	-22F	K35	-22F	K35
ON	NONE	← OFF	G	MS24658-22G	8503K9	MS24659-22G	8504K9	MS24660-22G	8505K9
ON →	NONE	← ON	D	-23D	K6	-23D	K6	-23D	K6
ON	NONE	ON	F	-23F	K36	-23F	K36	-23F	K36
ON	NONE	← ON	G	-23G	K7	-23G	K7	-23G	K7
ON	← OFF	NONE	E	-24E	K16	-24E	K16	-24E	K16
ON →	← OFF →	NONE	F	MS24658-24F	8503K37	MS24659-24F	8504K37	MS24660-24F	8505K37
ON →	← OFF →	NONE	K	-24K	K38	-24K	K38	-24K	K38
ON →	← OFF →	NONE	M	-24M	K11	-24M	K11	-24M	K11
ON →	← OFF *	NONE	F	-25F	K22	-25F	K22	-25F	K22
ON →	NONE	ON *	F	-26F	K20	-26F	K20	-26F	K20
* ON	← OFF →	ON *	E	MS24658-27E	8503K12	MS24659-27E	8504K12	MS24660-27E	8505K12
* ON	← OFF →	ON *	L	-27L	K39	-27L	K39	-27L	K39
* ON	← OFF →	ON *	N	-27N	K14	-27N	K14	-27N	K14
NONE	← OFF →	ON *	E	-28E	K15	-28E	K15	-28E	K15
ON →	NONE	← OFF *	F	-29F	K21	-29F	K21	-29F	K21
OFF →	NONE	ON *	F	MS24658-30F	8503K19	MS24659-30F	8504K19	MS24660-30F	8505K19
ON	← OFF →	ON *	E	-31E	K18	-31E	K18	-31E	K18
ON →	← OFF →	ON *	F	-31F	K40	-31F	K40	-31F	K40
ON →	← OFF →	ON *	K	-31K	K41	-31K	K41	-31K	K41
ON	← OFF →	ON *	L	-31L	K13	-31L	K13	-31L	K13

* Momentary contact.

→ Indicates direction against which lever is locked.
See page A71 for circuit diagrams.

Ⓛ Reference bushing styles on page A26.