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30 MM

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 Momentary Contact Push Buttons **Selector Switches** Pilot Light Devices Emergency Stop Devices Specialty Devices  
 Custom-Built Stations & Enclosures Accessories Legend Plates Approximate Dimensions Typical Wiring Diagram(s)



Selector Switches

2-Position Selector Switch Devices, Non-Illuminated



Standard Knob Operator  
Cat. No. 800T-H2A



Knob Lever Operator  
Cat. No. 800T-H17A



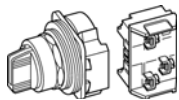
Standard Knob Operator  
Cat. No. 800H-HR2A

Contact Type	Side	Contact	Operator Position		M = Maintained S = Spring Return	Type 4/13		Type 4/4X/13
						Standard Knob	Knob Lever	Standard Knob
						Cat. No.	Cat. No.	Cat. No.
No Contacts	—	—	—	—	M M	800T-H2	800T-H17	800H-HR2
					S→M	800T-H4	800T-H18	800H-HR4
					M←S	800T-H5	800T-H19	800H-HR5
	White	A	O	X	M M	800T-H2D1	800T-H17D1	800H-HR2D1
					S→M	800T-H4D1	800T-H18D1	800H-HR4D1
					M←S	800T-H5D1	800T-H19D1	800H-HR5D1
	White	A B	O X	X O	M M	800T-H2A	800T-H17A	800H-HR2A
					S→M	800T-H4A	800T-H18A	800H-HR4A
					M←S	800T-H5A	800T-H19A	800H-HR5A

Note: X = Closed/O = Open

• Target tables are reversed from those shown.

800 T - HA 2 A  
 a b c d e



a		b		c		
Protection Rating		Finger-Safe Guards		Knob Insert Colors		
Code	Description	Code	Description	800T Type 4/13	Description	800H Type 4/4X/13
T	Metal, Type 4/13	Blank	No guards	H	White	HR
H	Plastic, Type 4/4X/13	C	Guards on terminals	HX	Packet of colored inserts‡	HRX
				Metal Wing Lever Colors♣		
				Code	Color	Code
				HA	Red	—

HG	Grey	—
----	------	---

d		e				e (cont'd)	
Operator Type and Function		Contact Block(s)				Contact Block(s)	
Standard Knob		Code Description				Code Description	
Code	Operator Function	Contact Configuration		2-Position		Contact Configuration	
2	Maintained					Class1, Div. 2/Zone 2	
4	Spring return from left§	Blank	No contacts	—	—	Logic ReedΔ	
5	Spring return from right	<b>Standard</b>				D1R	1 N.O.
<b>Knob Lever♣</b>		D1	1 N.O.	O	X	D2R	1 N.C.
17	Maintained	D2	1 N.C.	X	O	AR	1 N.O. - 1 N.C.
18	Spring return from left§	A	1 N.O. - 1 N.C.	O	X	BR	2 N.O. - 2 N.C.
19	Spring return from right			X	O	<b>Sealed SwitchΔ</b>	
<b>Metal Wing Lever♣</b>		B	2 N.O. - 2 N.C.	O	X	D1P	1 N.O.
11	Maintained			X	O	D2P	1 N.C.
15	Spring return from left§			O	X	AP	1 N.O. - 1 N.C.
16	Spring return from right			X	O	BP	2 N.O. - 2 N.C.
<b>Coin Slot♣</b>		<b>Max Duty (Horsepower Rated)Δ</b>				<b>Stackable Sealed SwitchΔ</b>	
6	Maintained	D1M	1 N.O.			D1Y	1 N.O.
7	Spring return from left	D2M	1 N.C.			D2Y	1 N.C.
8	Spring return from right	<b>Pen TUFF (Low Voltage)Δ</b>				AY	1 N.O. - 1 N.C.
		D1V	1 N.O.			BY	2 N.O. - 2 N.C.
		D2V	1 N.C.				
		AV	1 N.O. - 1 N.C.				
		BV	2 N.O. - 2 N.C.				

‡ One insert of each color (blue, green, orange, red, and yellow).  
 § Target tables are reversed from those shown.  
 ♣ Only available on Bul. 800T, Type 4/13 operators.  
 Δ Contact target tables same as those listed for standard contact blocks.

### 2-Position Selector Switch Devices, Non-Illuminated (Bul. 800T only)



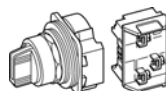
2-Position Cylinder Lock Operator  
 Cat. No. 800T-H33A

Contact Type	Side	Contact	Operator Position		M = Maintained S = Spring Return	Type 4/13		
						Cylinder LockΔ		
						Key Removal – Left‡	Key Removal – Right‡	Key Removal – Both‡
						Cat. No.	Cat. No.	Cat. No.
No Contacts	—	—			M M	800T-H31	800T-H32	800T-H33
1 N.O.	White	A	O	X	M←S	800T-H48	—	—
1 N.O. - 1 N.C.	White	A	O	X	M M	800T-H31D1	800T-H32D1	800T-H33D1
					S→M•	—	800T-H42D1	—
					M←S	800T-H48D1	—	—
1 N.O. - 1 N.C.	White	A	O	X	M M	800T-H31A	800T-H32A	800T-H33A
					S→M•	—	800T-H42A	—
					M←S	800T-H48A	—	—

**Note:** X = Closed/O = Open  
 • Target tables are reversed from those shown.  
 ‡ Keys removable from maintained positions only.

# 800 T - H31 A

a b c d e



a		b		c	
<b>Protection Rating</b>		<b>Finger-Safe Guards</b>		<b>Key Removal Position</b>	
Code Description		Code Description		Maintained	
T	Metal, Type 4/13	Blank	No guards	H31	Key removal – left
		C	Guards on terminals	H32	Key removal – right
				H33	Key removal – both
				<b>Spring Return From Left</b>	
				Code	Operator Function
				H42	Key removal – right
				<b>Spring Return From Right</b>	
				Code	Operator Function
				H48	Key removal – left

d				e				e (cont'd)			
<b>Key Options for Cylinder Locks<math>\Delta</math></b>		<b>Key Options for Cylinder Locks</b>		<b>Contact Block(s)</b>				<b>Contact Block(s)</b>			
Code	T Series Key No.	Code	T Series Key No.	Code	Description	2-Position		Code	Description		
					Contact Configuration						
Blank	D018 (Std. Key)	15	T112	Blank	No contacts	–	–	<b>Pen TUFF (Low Voltage)</b>			
03	D020	16	T115	<b>Standard</b>							
04	D025	17	T324	D1	1 N.O.	O	X	D1V	1 N.O.		
05	D335	18	T382	D2	1 N.C.	X	O	D2V	1 N.C.		
06	D429	19	T404	A	1 N.O. - 1 N.C.	O	X	AV	1 N.O. - 1 N.C.		
07	D461	20	T171			X	O	BV	2 N.O. - 2 N.C.		
08	D111	21	T484	B	2 N.O. - 2 N.C.	O	X	<b>Class 1, Div. 2/Zone 2</b>			
09	D587	22	T547			X	O	<b>Logic Reed<math>\clubsuit</math></b>			
10	D682	23	T569			O	X	D1R	1 N.O.		
11	D713	24	T692			X	O	D2R	1 N.C.		
12	D900	25	T752	<b>Max Duty (Horsepower Rated)</b>						AR	1 N.O. - 1 N.C.
13	D992	26	T178	D1M	1 N.O.			BR	2 N.O. - 2 N.C.		
14	D118	–	–	D2M	1 N.C.			<b>Sealed Switch<math>\clubsuit</math></b>			
								D1P	1 N.O.		
								D2P	1 N.C.		
								AP	1 N.O. - 1 N.C.		
								BP	2 N.O. - 2 N.C.		
								<b>Stackable Sealed Switch<math>\clubsuit</math></b>			
								D1Y	1 N.O.		
								D2Y	1 N.C.		
								AY	1 N.O. - 1 N.C.		
								BY	2 N.O. - 2 N.C.		

- Target tables are reversed from those shown.

‡ Keys removable from maintained positions only.

♣ Contact target tables same as those listed for standard and Pen TUFF contact blocks.

$\Delta$  Device supplied with 2 keys. Replacement key part no. for standard D018 key is X-181170. See Replacement Keys for Cylinder Lock 2-, 3-, and 4-Position Selector Switches (800T only) for additional replacement key numbers.

## 3-Position Selector Switch Devices, Non-Illuminated



Standard Knob Operator  
Cat. No. 800T-J2A



Knob Lever Operator  
Cat. No. 800T-J17A

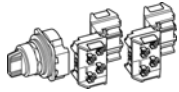


Standard Knob Operator  
Cat. No. 800H-JR2A

Contact Type	Operator Position			M = Maintained S = Spring Return	Type 4/13		Type 4/4X/13
					Standard Knob	Knob Lever	Standard Knob
					Cat. No.	Cat. No.	Cat. No.
No Contacts	—	—	—	M M M	800T-J2	800T-J17	800H-JR2
				S→M M	800T-J4	800T-J18	800H-JR4
				M M←S	800T-J5	800T-J19	800H-JR5
				S→M←S	800T-J91	800T-J20	800H-JR91
	O	O	X	M M M	800T-J2A	800T-J17A	800H-JR2A
	X	O	O	S→M M	800T-J4A	800T-J18A	800H-JR4A
				M M←S	800T-J5A	800T-J19A	800H-JR5A
				S→M←S	800T-J91A	800T-J20A	800H-JR91A
1 N.O. - 1 N.C.							

Note: X = Closed/O = Open

**800 T - J 2 C**  
 a b c d e f



a		b		c		
<b>Protection Rating</b>		<b>Finger-Safe Guards</b>		<b>Knob Insert Colors</b>		
<b>Code</b>	<b>Description</b>	<b>Code</b>	<b>Description</b>	<b>800T Type 4/13</b>	<b>Description</b>	<b>800H Type 4/4X/13</b>
T	Metal, Type 4/13	Blank	No guards	Code		Code
H	Plastic, Type 4/4X/13	C	Guards on terminals	J	White	JR
				JX	Packet of colored inserts -	JRX
				<b>Metal Wing Lever Colors‡</b>		
				<b>Code</b>	<b>Color</b>	<b>Code</b>
				JA	Red	—
				JG	Grey	—

d	
<b>Knob/Lever Type Operators</b>	
<b>Standard Knob</b>	
<b>Code</b>	<b>Operator Function</b>
2	Maintained
4	Spring return from left
5	Spring return from right
91	Spring return from both
<b>Knob Lever‡</b>	
<b>Code</b>	<b>Operator Function</b>
17	Maintained
18	Spring return from left
19	Spring return from right
20	Spring return from both

Metal Wing Lever‡	
Code	Operator Function
11	Maintained
15	Spring return from left
16	Spring return from right
141	Spring return from both
Coin Slot‡	
Code	Operator Function
10	Spring return from both

e		e (cont'd)	
Cam Options		Cam Options	
Code	Description	Code	Description
Blank	KB7 cam (std.)	KQ1	KQ1 cam
KA1	KA1 cam	KQ7	KQ7 cam
KA7	KA7 cam	KR1♣	KR1 cam
KC1	KC1 cam	KR7♣	KR7 cam
KC7	KC7 cam	KT1♣	KT1 cam
KD7	KD7 cam	KT7♣	KT7 cam
KE7♣	KE7 cam	KU7♣	KU7 cam

Note: See Table 1 for cam selections.

f		f (cont'd)	
Contact Blocks		Contact Blocks	
Code	Description	Code	Description
Blank	No contacts on operator	Blank	No contacts
Standard		Class 1, Div. 2/Zone 2	
A	1 N.O. - 1 N.C. 1-800T-XA on white side	<b>Logic Reed</b>	
B	2 N.O. - 2 N.C. 2-800T-XAs – 1 on white side/1 on black side	AR	1 N.O. - 1 N.C. 1-800T-XAR on white side
PenTUFF (Low Voltage)		BR	2 N.O. - 2 N.C. 2-800T-XARs – 1 on white side/1 on black side
AV	1 N.O. - 1 N.C. 1-800T-XAV on white side	Sealed Switch	
BV	2 N.O. - 2 N.C. 2-800T-XAVs – 1 on white side/1 on black side	AP	1 N.O. - 1 N.C. 1-800T-XAP on white side
		BP	2 N.O. - 2 N.C. 2-800T-XAPs – 1 on white side/1 on black side
		Stackable Sealed Switch	
		AY	1 N.O. - 1 N.C. 1-800T-XAY on white side
		BY	2 N.O. - 2 N.C. 2-800T-XAYs – 1 on white side/1 on black side
		<b>Note:</b> Associated targets shown in Table 1.	

- One insert of each color (blue, green, orange, red, and yellow).

‡ Only available on Bul. 800T, Type 4/13 operators.

§ If an overlapping cam is required, consult your local distributor.

♣ Not available with wing levers.

Δ See Table 1 for cam selections and associated targets.

Table 1. Cam and Contact Block Functionality Table

Contact Block Suffix Code	Circuits	Cam Codes													
		KB7 (Std.)	KA1	KA7	KC1	KC7	KD7	KE7	KQ1	KQ7	KR1	KR7	KT1	KT7	KU7





### 4-Position Selector Switch Devices, Non-Illuminated



Standard Knob Operator  
Cat. No. 800T-N2KN4B



Knob Lever Operator  
Cat. No. 800T-N17KN4B

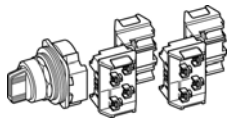


Standard Knob Operator  
Cat. No. 800H-NR2KF4AAXX

Contact Type	Operator Position				M = Maintained S = Spring Return	Type 4/13		Type 4/4X/13
						Standard Knob	Knob Lever	Standard Knob
						Cat. No.	Cat. No.	Cat. No.
No Contacts	—	—	—	—	M M M M	800T-N2KF4	800T-N17KF4	800H-NR2KF4
					S→M M M	800T-N3KF4	800T-N29KF4	800H-NR3KF4
					M M M←S	800T-N9KF4	800T-N30KF4	800H-NR9KF4
	X	O	O	O	M M M M	800T-N2KF4B	800T-N17KF4B	800H-NR2KF4AAXX
	O	X	O	O	S→M M M	800T-N3KF4B	800T-N29KF4B	800H-NR3KF4AAXX
	O	O	X	O	M M M←S	800T-N9KF4B	800T-N30KF4B	800H-NR9KF4AAXX
	O	O	O	X				
2 N.O. - 2 N.C.					M M M←S	800T-N9KF4B	800T-N30KF4B	800H-NR9KF4AAXX

Note: X = Closed/O = Open

**800 T - N 2 KF4 B**  
 a b c d e f



<b>a</b>		<b>b</b>		<b>c</b>		
<b>Protection Rating</b>		<b>Finger-Safe Guards</b>		<b>Knob Insert Colors</b>		
<b>Code</b>	<b>Description</b>	<b>Code</b>	<b>Description</b>	<b>800T Type 4/13</b>	<b>Description</b>	<b>800H Type 4/4X/13</b>
T	Metal, Type 4/13	Blank	No guards	Code		Code
H	Plastic, Type 4/4X/13	C	Guards on terminals	N	White	NR
				NX	Packet of colored inserts	NRX
				<b>Metal Wing Lever Colors</b>		
				<b>Code</b>	<b>Color</b>	<b>Code</b>
				NA	Red	—
				NG	Grey	—

<b>d</b>		<b>e</b>	
<b>Operator Function and Knob Type</b>		<b>Cam OptionΔ</b>	
<b>Standard Knob</b>			
<b>Code</b>	<b>Operator Function</b>	<b>Code</b>	<b>Description</b>
2	Maintained	KF4	F cam
3	Spring return from position 1 to position 2	KG4	G cam
9	Spring return from position 4 to position 3	KK4♣	K cam
<b>Knob Lever♣</b>		KM4♣	M cam
<b>Code</b>	<b>Operator Function</b>	KP4	P cam
17	Maintained	KN4	Overlapping cam†
29	Spring return from position 1 to position 2		
30	Spring return from position 4 to position 3		
<b>Metal Wing Lever♣</b>			



Code	Operator Function
11	Maintained
13	Spring return from position 1 to position 2
14	Spring return from position 4 to position 3

f		
Contact Blocks $\Delta$		
800T Type 4/13	Description	800H Type 4/4X/13
Code		Code
Blank	No contacts	Blank
Standard		
B	2 N.O. - 2 N.C. 2-800T-XAs — 1 on white side/1 on black side	AAXX
H	3 N.O. - 3 N.C. 3-800T-XAs — 2 on white side/1 on black side	AAAX
C	4 N.O. - 4 N.C. 4-800T-XAs — 2 on white side/2 on black side	AAAA

f (cont'd)		
Contact Blocks		
800T Type 4/13	Description	800H Type 4/4X/13
Code		Code
Pen TUFF (Low Voltage)		
BV	2 N.O. - 2 N.C.	FFXX
HV	3 N.O. - 3 N.C.	FFFX
CV	4 N.O. - 4 N.C.	FFFF
Class 1, Div. 2/Zone 2		
Logic Reed $\S$		
BR	2 N.O. - 2 N.C.	TTXX
HR	3 N.O. - 3 N.C.	TTTX
CR	4 N.O. - 4 N.C.	TTTT
Sealed Switch $\S$		
BP	2 N.O. - 2 N.C.	PPXX
Stackable Sealed Switch $\clubsuit$		
BY $\Delta$	2 N.O. - 2 N.C.	TTXX
HY $\Delta$	3 N.O. - 3 N.C.	TTTX
CY $\Delta$	4 N.O. - 4 N.C.	TTTT

- One insert of each color (blue, green, orange, red, and yellow).
- ‡ Overlapping cam. See Publication 800T-2.8 for overlap specifications.
- § Contact block mounting same as listed for standard and Pen TUFF contact blocks.
- ♣ Only available on Bul. 800T, Type 4/13 operators.
- ‡ See Table 1 for proper cam/contact selection.
- ♠ Not available with wing levers.

Table 1. Cam and Contact Block Functionality Table

Contact Block Suffix Code	Contact Block Side	Circuits	Cam Codes																							
			KF4				KG4				KK4				KM4				KP4				KN4‡			
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; gap: 10px;"> <div style="text-align: center;"> <span style="font-size: 2em;">↑</span> C<sub>+</sub> <span style="font-size: 2em;">↓</span> </div> <div style="text-align: center;"> <span style="font-size: 2em;">↑</span> H<sub>L</sub> <span style="font-size: 2em;">↓</span> </div> <div style="text-align: center;"> <span style="font-size: 2em;">↑</span> B<sub>-</sub> <span style="font-size: 2em;">↓</span> </div> </div> </div>	White	A	X	O	O	O	X	X	O	O	O	O	X	X	X	O	O	O	O	O	X	O	X	O	O	
	White	B	O	X	O	O	O	O	X	O	X	X	O	O	O	X	X	O	O	X	O	O	O	O	O	X
	Black	A	O	O	O	X	X	O	O	O	X	O	O	X	O	O	X	O	O	X	X	O	O	X	O	O
	Black	B	O	O	X	O	O	O	O	X	O	X	X	O	O	X	O	O	X	O	O	O	X	O	O	O
	White	A	X	O	O	O	X	X	O	O	O	O	X	X	X	O	O	O	O	O	O	X	O	X	O	O
	White	B	O	X	O	O	O	O	X	O	X	X	O	O	O	X	X	O	O	X	O	O	O	O	O	X
	Black	A	O	O	O	X	X	O	O	O	X	O	O	X	O	O	X	O	O	X	X	O	O	X	O	O
	Black	B	O	O	X	O	O	O	O	X	O	X	X	O	O	X	O	O	X	O	O	O	X	O	O	O

Note: X = Closed / O = Open

4-Position Selector Switch Devices, Non-Illuminated (800T only)



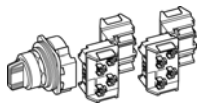
Cylinder Lock Operator  
Cat. No. 800T-N32KF4B

Contact Type	Operator Position				M = Maintained S = Spring Return	Cylinder Lock - Type 4/13♣		
						Key Removal – Position 2	Key Removal – Position 3	Key Removal – All
						Cat. No.	Cat. No.	Cat. No.
No Contacts	–	–	–	–	M M M M	800T-N32KF4	800T-N33KF4	800T-N61KF4
					S→M M M	800T-N132KF4	800T-N133KF4	–
					M M M←S	800T-N232KF4	800T-N233KF4	–
	X O O O	O X O O	O O X O	O O O X	M M M M	800T-N32KF4B	800T-N33KF4B	800T-N61KF4B
					S→M M M	800T-N132KF4B	800T-N133KF4B	–
2 N.O. - 2 N.C.					M M M←S	800T-N232KF4B	800T-N233KF4B	–

Note: X = Closed/O = Open

• Key removable in maintained positions only.

**800 T - N31 KM4 C**  
 a b c d e f



a		b		c		c (cont'd)	
<b>Protection Rating</b>		<b>Finger-Safe Guards</b>		<b>Key Removal Position and Operator Function</b>		<b>Key Removal Position and Operator Function</b>	
<b>Code</b>	<b>Description</b>	<b>Code</b>	<b>Description</b>	<b>Maintained</b>		<b>Spring Return From Position 1 to Position 2</b>	
T	Metal, Type 4/13	Blank	No guards	N31	Key removal position 1	Code	Description
		C	Guards on terminals	N32	Key removal position 2	N132	Key removal position 2
				N33	Key removal position 3	N133	Key removal position 3
				N34	Key removal position 4	N134	Key removal position 4
				N61	Key removal all positions	N154	Key removal positions 2, 3, and 4
						<b>Spring Return From Position 4 to Position 3</b>	
						Code	Operator Function
						N231	Key removal position 1
						N232	Key removal position 2
						N233	Key removal position 3
						N251	Key removal positions 1, 2, and 3

d		e	
<b>Key Options for Cylinder Locks♣</b>		<b>Cam Option</b>	
<b>D Series</b>		<b>Code</b>	<b>Description</b>
Code	Key No.	KF4	F cam
Blank	D018 (standard key)	KG4	G cam
03	D020	KK4	K cam
04	D025	KM4	M cam
05	D335	KP4	P cam
06	D429	KN4	Overlapping cam†
<b>Note:</b> Refer to 2-Position Selector Switch Devices, Non-Illuminated (Bul. 800T only) for additional key option codes.		<b>Note:</b> See Table 1 for proper cam selection.	

f		f (cont'd)	
<b>Contact Blocks</b>		<b>Contact Blocks</b>	
<b>Code</b>	<b>Description</b>	<b>Code</b>	<b>Description</b>
Blank	No contacts	<b>Sealed Switch§</b>	
Standard		BP	2 N.O. - 2 N.C.

B	2 N.O. - 2 N.C. 2-800T-XAs – 1 on white side/1 on black side	<b>Stackable Sealed Switch§</b>
H	3 N.O. - 3 N.C. 3-800T-XAs – 2 on white side/1 on black side	
C	4 N.O. - 4 N.C. 4-800T-XAs – 2 on white side/2 on black side	
<b>Pen TUFF (Low Voltage)</b>		
BV	2 N.O. - 2 N.C. 2-800T-XAVs – 1 on white side/1 on black side	
HV	3 N.O. - 3 N.C. 3-800T-XAVs – 2 on white side/1 on black side	
CV	4 N.O. - 4 N.C. 4-800T-XAVs – 2 on white side/2 on black side	
<b>Class 1, Div. 2/Zone 2</b>		
<b>Logic Reed§</b>		
BR	2 N.O. - 2 N.C.	
HR	3 N.O. - 3 N.C.	
CR	4 N.O. - 4 N.C.	
<b>Note:</b> Associated targets shown in Table 1.		

Table 1. Cam and Contact Block Functionality Table

Contact Block Suffix Code	Contact Block Side	Circuits	Cam Codes																							
			KF4				KG4				KK4				KM4				KP4				KN4‡			
			↺	↻	↺	↻	↺	↻	↺	↻	↺	↻	↺	↻	↺	↻	↺	↻	↺	↻	↺	↻	↺	↻	↺	↻
	White	A	X	O	O	O	X	X	O	O	O	O	X	X	X	O	O	O	O	O	O	X	O	X	O	O
		B	O	X	O	O	O	O	X	O	X	X	O	O	O	X	X	O	O	X	O	O	O	O	O	O
	Black	A	O	O	O	X	X	O	O	O	X	O	O	X	O	O	O	X	O	O	X	X	O	O	X	O
		B	O	O	X	O	O	O	O	X	O	X	X	O	O	X	O	O	X	O	O	O	X	O	O	O
	White	A	X	O	O	O	X	X	O	O	O	O	X	X	X	O	O	O	O	O	O	X	O	X	O	O
		B	O	X	O	O	O	O	X	O	X	X	O	O	O	X	X	O	O	X	O	O	O	O	O	X
	Black	A	O	O	O	X	X	O	O	O	X	O	O	X	O	O	O	X	O	O	X	X	O	O	X	O
		B	O	O	X	O	O	O	O	X	O	X	X	O	O	X	O	O	X	O	O	O	X	O	O	O

Note: X = Closed/O = Open  
 · Key removable in maintained positions only.  
 ‡ Overlapping cam. One layer of contact blocks allowed, no stacking. See Publication 800T-2.8 for overlap specifications.  
 § Contact block mounting same as listed for standard and PenTUFF contact blocks.  
 † Device supplied with 2 keys. Replacement key part no. for standard D018 key is X-181170. See Replacement Keys for Cylinder Lock 2-, 3-, and 4-Position Selector Switches (800T only) for additional replacement key numbers.

2-Position Knob/Lever Type Selector Switch Devices, Illuminated



Standard Knob Operator  
Cat. No. 800T-16HR2KB6AX

Knob Lever Operator  
Cat. No. 800H-16HRR17KB6AX

Type	Lamp Type	Volts	Knob Color	Operator Position		M = Maintained S = Spring Return	Type 4/13	Type 4/4X/13
							Standard Knob Cat. No.	Standard Knob Cat. No.
Operator Only-				No Contacts		M M	800T-00HX2KB6	800H-00HRX2KB6
Full Voltage	Incandescent	24V AC/DC	Red	X O	O X	M M	800T-24HR2KB6AX	800H-24HRR2KB6AX
						S→M‡	800T-24HR4KL8AX	800H-24HRR4KL8AX
						M←S	800T-24HR5KL8AX	800H-24HRR5KL8AX
Universal	LED	12...130V AC/DC	Red			M M	800T-25HXN2KB6AX	800H-25HRXN2KB6AX
						M M	800T-2HRH2KB6AX	800H-2HRRH2KB6AX
						S→M‡	800T-2HRH4KL8AX	800H-2HRRH4KL8AX



Standard	
D	1 N.O.
E	1 N.C.
A	1 N.O. - 1 N.C.
X	No contacts in this position
Pen TUFF (Low Voltage)	
H	1 N.O.
U	1 N.C.
F	1 N.O. - 1 N.C.
Class 1, Div. 2/Zone 2	
Logic Reed	
V	1 N.O.
W	1 N.C.
T	1 N.O. - 1 N.C.
Sealed Switch	
R	1 N.O.
S	1 N.C.
P	1 N.O. - 1 N.C.
Stackable Sealed Switch	
5	1 N.O.
6	1 N.C.
7	1 N.O. - 1 N.C.

Table 1. Selector Switch Cam Targets

Cam Description (2-Position)		
Target	Contact Block Codes	
O	X	D, H, V, R, 5
X	O	E, U, W, S, 6

X = Closed/O = Open

Table 2. Contact Block Code Reduction Rules

Contact Block Substitution	
Combination	Code
Standard	
D + E	A
D + D	M
E + E	N

Δ Contact blocks used on white side only.

◆ Target tables are reversed for spring return from left operators.

### 3-Position Knob/Lever Type Selector Switch Devices, Illuminated



Standard Knob Operator  
Cat. No. 800T-16JRR2KB7AX



Standard Knob Operator  
Cat. No. 800H-16JRR2KB7AX

Type	Lamp Type	Volts	Color	Operator Position			M = Maintained S = Spring Return	Type 4/13	Type 4/4X/13
								Standard Knob	Standard Lever
								Cat. No.	Cat. No.
Operator Only				No Contacts			800T-00JX2KB7	—	
Full Voltage	Incandescent	24V AC/DC	Red	X	O	O	800T-24JR2KB7AX	800H-24JRR2KB7AX	

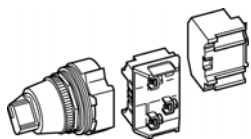
				O	O	X									
Universal	No Lamp	0...250V AC/DC	No Knob				S→M M	800T-24JR4KB7AX	800H-24JRR4KB7AX						
	LED	12...130V AC/DC	Red				M M←S	800T-24JR5KB7AX	800H-24JRR5KB7AX						
							M M M	800T-25JXN2KB7AX	—						
							M M M	800T-2JRH2KB7AX	800H-2JRRH2KB7AX						
							S→M M	800T-2JRH4KB7AX	800H-2JRRH4KB7AX						
							M M←S	800T-2JRH5KB7AX	800H-2JRRH5KB7AX						
Transformer	Incandescent	120V AC 50/60 Hz	Red	X O	O O	O X	M M M	800T-16JR2KB7AX	800H-16JRR2KB7AX						
							S→M M	800T-16JR4KB7AX	800H-16JRR4KB7AX						
							M M←S	800T-16JR5KB7AX	800H-16JRR5KB7AX						
							M M M	800T-16JRH2KB7AX	800H-16JRRH2KB7AX						
	LED												S→M M	800T-16JRH4KB7AX	800H-16JRRH4KB7AX
													M M←S	800T-16JRH5KB7AX	800H-16JRRH5KB7AX
													M M M	800T-16JXN2KB7AX	—
													No Lamp	No Knob	

Note: X = Closed/O = Open

• Operator only supplied without power module, lamp, lens cap, or contact blocks.

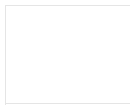
1st Level      2nd Level

**800 T      - 16 J R                      2 KB7 A      X**  
 a      b      c      d      e      f      g      h      i      j



a		b		c		d		
<b>Protection Rating</b>		<b>Finger-Safe Guards</b>		<b>Power Module Type and Voltage</b>		<b>No. of Positions</b>		
Full Voltage – Incandescent						800T Type 4/13		
Code	Description	Code	Description	Code	Description	Description		800H Type 4/4X/13
T	Metal, Type 4/13	Blank	No guards	12	12V AC/DC	Code		Code
H	Plastic, Type 4/4X/13	C	Guards on terminals	24	24V AC/DC	J	3-position	JR
				48	48V AC/DC			
				<b>Universal – LED</b>				
				2	12...130V AC/DC			
				<b>Transformer</b>				
				16	120V AC 50/60 Hz			
				26	240V AC 50/60 Hz			
				For other voltages, please contact your local Rockwell Automation sales office or Allen-Bradley distributor.				

e		f		g		h	
<b>Knob Color</b>		<b>Illumination Options</b>		<b>Operator Function and Knob Type</b>		<b>Cam Options</b>	
Standard Knob or No Knob						3-Position	
Code	Color	Code	Description	Code	Operator Function	Code	Operator Function
A	Amber	Blank	Incandescent	2	Maintained	KB7	B7 cam
B	Blue	H	LEDs	4	Spring return from left	KC1	C1 cam
C	Clear			5	Spring return from right	KC7	C7 cam
G	Green			91	Spring return from both	KE7	E7 cam
R	Red			<b>Knob Lever</b>		KQ1	Q1 cam
W	White			Code	Operator Function	KT1	T1 cam
X	No knob			17	Maintained		



18	Spring return from left
19	Spring return from right
20	Spring return from both

<b>i, j</b>	
<b>Contact Blocks♣</b>	
<b>Code</b>	<b>Description</b>
Blank (both pos.)	No contacts
<b>Standard</b>	
A	1 N.O. - 1 N.C.
X	No contacts in this position
<b>Pen TUFF (Low Voltage)</b>	
F	1 N.O. - 1 N.C.
<b>Class 1, Div. 2/Zone 2</b>	
<b>Logic Reed</b>	
T	1 N.O. - 1 N.C.
<b>Sealed Switch</b>	
P	1 N.O. - 1 N.C.
<b>Stackable Sealed Switch</b>	
7	1 N.O. - 1 N.C.

Table 1. Selector Switch Cam Targets

Target			Cam Description (3-Position)					
			KB7	KC1	KC7	KE7	KQ1	KT1
X	O	O	D, H, V, R, 5	—	D, H, V, R, 5	D, H, V	—	E, U, W, S, 6
O	X	O	—	E, U, W, S, 6	E, U, W, S, 6	—	E, U, W, S, 6	—
O	O	X	E, U, W, S, 6	D, H, V, R, 5	—	—	—	D, H, V, R, 5
X	X	O	G, I	J, Q	—	—	—	J, Q
O	X	X	J, Q	—	J, Q	E, U, W, S, 6	—	—
X	O	X	—	G, I	G, I	—	D, H, V, R, 5	—

‡ LED only.

§ LEDs available in red, green, amber, blue, and white. White LEDs only available in 6V, 24V, 120V, and 130V full voltage and all transformer units. LED color matches lens color, except clear lens supplied with white LED and white lens supplied with amber LED. All LEDs except 120V have an internal shunt resistor for use with solid-state outputs.

♣ Contact blocks used on white side only.