

Non-Illuminated Rotary Cam Type Selector Switches Custom Switch Ordering Guide

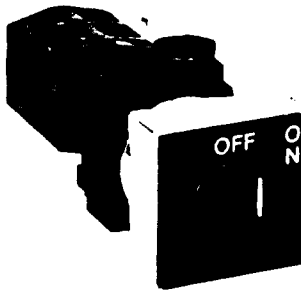
E30

ORDERING INSTRUCTIONS

To order a complete custom assembled Type E30 Rotary Cam Selector Switch, construct a catalog number from the Selection Chart using the adjacent example and the numbering guide at the bottom for reference. Switches will accept up to 12 Poles in any sequence. List the Code Letter or Numbers for the Circuit Combinations in the assembly sequence required — the first circuit designated will be assembled directly behind the operator and the remaining Circuit Combinations will be assembled in the order listed. Faceplates must be ordered separately from the listing in the Industrial Control Catalog.

RATINGS

Rotary Cam Selector Switches are UL/CSA rated, 10 amps at 300 V ac.



PRICING ②

Number of Poles	Price	
	Maintained Position Operator	
	Knob	Key
1-3	\$ 36.	\$ 58.
4	42.	65.
5	49.	72.
6	56.	79.
7	63.	86.
8	70.	93.
9	84.	107.
10	98.	121.
11	112.	135.
12	126.	149.

② Add \$8.00 for Spring Return versions.

KEY REMOVAL CODE

(From maintained positions only)

Key Removal Position	Suffix
Right	1
Left	2
Right & Left	3
Center	4
Right & Center	5
Left & Center	6
All Positions	7

ORDERING EXAMPLE

Example: Three Position Key Operated Selector Switch having 5 poles assembled in order as follows:

	L	C	R
1.	X	X	O
2.	X	O	O
3.	X	X	O
4.	O	X	X
5.	X	O	O

Key to be removable from center position only.

Base Catalog Number	Operator Type	Operator Mode	Circuit Combinations	Key Removal Code	Complete Catalog Number
E30Y	G	30	O C D G C	-4	E30YG30OCDGC-4

SELECTION TABLE

OPERATOR TYPE		OPERATOR MODE		CIRCUIT COMBINATIONS (Select Maximum of 12)				
Code Letter	Description	Code Number	Description	Code Letter	Circuit			
TWO POSITION SELECTOR SWITCH								
F	Knob Operated (Black)	20	2 Position Maintained		Center	Right		
G	Key Operated ①	21	Spring Return-R					
				A	X	O		
				B	O	X		
THREE POSITION SELECTOR SWITCH								
		30	3 Position Maintained		Left	Center	Right	
		31	Spring Return from Left and Right					
				C	X	O	O	
				D	X	X	O	
				E	X	O	X	
				F	O	O	X	
				G	O	X	X	
				H	O	X	O	
FOUR POSITION SELECTOR SWITCH								
		40	4 Position Maintained Knob operator only. Key switch not available in 4 Position.		1	2	3	4
				J	X	O	O	O
				K	O	X	O	O
				L	O	O	X	O
				M	O	O	O	X
				N	X	O	O	X
				P	O	X	X	O
				R	O	O	X	O
				S	X	X	O	X
				T	O	X	O	X
				V	X	O	X	O
				W	X	X	X	O
				4	O	X	X	X
				5	X	O	X	X
				6	X	X	O	X

E30Y

Base Number

Operator Type

Operator Mode

Circuit Combinations
Maximum of 12 PolesKey Removal Code
From Adjacent Table
(If Required)

① Available on two and three position operators only — not available on four position devices.

Heavy Duty Oiltight Compact Selector Switches Component Selection

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GENERAL

To allow inventory flexibility at the distributor and end customer level, Type E30 Selector Switches can be ordered and stocked in component form.

A complete unit would consist of

- Type E30 Operator
- Type E22 Knob
- Type E22 Contact Block(s) — (Maximum of 2)
- Type E22 Light Unit — (For Illuminated Selector Switches)
- Type E30 Faceplate

Catalog number and pricing information for the components are listed in the following tables.

KNOBS

Color	Catalog Number		Price
	Non-Illuminated	Illuminated	
Clear	---	E22AR0	\$2.20
Black	E22AX1	---	
Red	AX2	AR2	
Green	AX3	AR3	
Yellow	AX4	AR4	
White	AX5	AR5	
Blue	AX6	AR6	
Gray	AX7	---	
Orange	AX8	---	
Amber		AR9	

OPERATORS ①

Operating Mode M = Maintained S = Momentary	Cam Code	Standard		Key		
		Catalog Number	Price	Catalog Number ❷	Price	Key Removal Options ❸
2 POSITION						
MS	2	E30XE	\$19.80	E30TE4	\$45.80	---
MM	2	XF	11.80	TF□	37.80	1, 4 & 5
3 POSITION						
MMM	1	E30XG	\$11.80	E30TG□	\$37.80	1 thru 7
MMM	2	XH	11.80	TH□	37.80	1 thru 7
SMM	1	XJ	19.80	TJ□	45.80	1, 4 & 5
SMM	2	XK	19.80	TK□	45.80	1, 4 & 5
SMS	1	XL	19.80	TL4	45.80	---
SMS	2	XM	19.80	TM4	45.80	---
MMS	1	XN	19.80	TN□	45.80	2, 4 & 6
MMS	2	XP	19.80	TP□	45.80	2, 4 & 6

① Non-Illuminated and Illuminated versions use same basic operator.

② Example: E30TF□ — Key operator with RIGHT key removal position.

③ Refer to E30 Green-5 for Key Removal Code Suffix Number Position description.

CONTACT BLOCKS

To determine what Contact Block(s) are required, first construct a line circuit diagram. Then, using the symbols "X" for contacts closed and "O" for contacts open, determine the contact state required in each selector switch position. Locate the closure sequence required in the table below and order the necessary contact block(s) separately. For 3 Position switches, also identify Cam required from table below before selecting operator. **NOTE:** Contact Blocks must be mounted in position indicated. If more circuits and/or different circuit arrangements are required, see Rotary Cam Selector Switches listed on previous page.

Example: Hand-Off-Auto function — two circuits are required —

Circuit #1 — X O O

This can be achieved using Cam 1 with a E22B2 contact block mounted in the left position.

Circuit #2 — O O X

This can be achieved using Cam 1 with a E22B2 block mounted in the right position.

Order a 3 Position Selector Switch with Cam #1 —

Example: E30XN, along with 2 E22B2 Contact Blocks.

Circuit Operation ④								Contact Block Required			Contact Block Mounting Position ⑤			
2 Position		3 Position												
Cam 2		Cam 1			Cam 2			Catalog Number	Circuit	Price	Left	Center	Right	
Center	Right	Left	Center	Right	Left	Center	Right							
X	O	O	X	X	O	X	O	E22B1 B1		\$7.00		---	---	
X	O	X	X	O	X	X	O							
O	X	X	O	O	X	O	X	B2 B2						
O	X	O	O	X	O	O	X							

④ Viewed from front of panel.

⑤ Viewed from rear of panel.

Heavy Duty Oiltight Compact Selector Switches

Optional Features

E30

ADDITIONAL FACEPLATE COLORS

Faceplates must be ordered separately from the listing in the Industrial Control Catalog. Standard faceplate color is white. (No Suffix Code required). To select a special faceplate color add code letter to end of listed catalog number.

Example: E30KN114[G] "INCH-RUN" legend on green faceplate.

Color	Code	Color	Code	Color	Code	Color	Code
White	—	Red	R	Yellow	Y	Gray	E
Black	B	Green	G	Blue	V	Orange	N

NON-ILLUMINATED KNOB COLORS

All complete Selector Switch units listed in the Industrial Control Catalog are supplied with a black knob as standard (Suffix Code 1). To select alternate color, change 6th digit of listed catalog number using suffix code number from table below.

Example: E30XG[5]D 3 Position, Non-Illuminated Selector Switch with White Knob.

Color	Code	Color	Code	Color	Code	Color	Code
Red	2	Yellow	4	Blue	6	Orange	8
Green	3	White	5	Gray	7		

LIGHT UNITS

Includes a T3-1/4 Bayonet Base Lamp except where noted.

Description	Catalog Number	Price
Direct Voltage Light Unit — Ac/Dc		
Without Lamp	E22D ①	\$18.00
With 6 V Lamp	D6	20.00
With 12 V Lamp	D12	20.00
With 24 V Lamp	D24	20.00
With 48 V Lamp	E22D50	20.00
With 60 V Lamp	D60	20.00
Resistor/Diode Type Light Unit — Ac Only		
120 V/60 Hz	E22R2	22.00
Transformer Type Light Unit — Ac Only		
120 V/60 Hz	E22TL1	34.00
240 V/60 Hz	TL2	34.00
480 V/60 Hz	TL4	34.00
Neon Light Unit ② — Ac Only		
120 V with Lamp	E22DN120	22.00
240 V with Lamp	DN240	22.00

① The replacement L.E.D. lamps listed in the Industrial Control Catalog can be used with this light unit. Lamps are available in red, green and yellow colors for 6, 12/14, 24 or 120 V applications.

② Recommended for use with clear, amber or yellow illuminated operators only.

OVERALL DIMENSIONS — In (mm)

