

ECS Selector Switch Control Stations

Explosionproof, Dust-Ignitionproof, Factory Sealed and Non-Factory Sealed

CEC:

Class I, Division 1 and 2, Groups B, C, D
Class II, Division 1 and 2, Groups E, F, G
Class III
CSA Type 3R, 7BCD, 9EFG

Applications

- Push buttons and selector switches are used in conjunction with contactors and magnetic starters for remote control of motors. They provide circuit control and selection.
- Pilot lights provide visual indication that an electrical circuit is engaged either at a remote or local location.
- Toggle switches are used to connect or disconnect electrical operating lighting or other low power loads.

Features

- Corrosion resistant captive stainless steel hex head bolts hold cover to body.
- Dozens of possible combinations of push buttons, selector switches and pilot lights. Contact your local sales representative for combinations not found in the catalog.
- Push buttons supplied standard with neoprene weather boot.
- Clearly marked terminals with brass screws assure quick, easy wiring.
- Push buttons and selector switches employ heavy duty, 10 Amp 600 Vac rated contact blocks.
- Push button and selector switch contacts are silver cadmium oxide assuring long trouble free operation.
- Pilot Lights are supplied with jewel guard and 120 Vac lamp.
- Factory sealed push buttons are supplied with lockout type guards. Hole in guard locks with up to 1/4" hasp. Permits locking of push button to prevent unauthorized operation.
- Factory sealed control stations confine the arcing to the devices within the enclosure. Eliminates the need for adding external sealing fittings at each conduit entry. (Non-factory sealed devices available, contact your local sales representative.)
- Smooth rounded integral bushing in hub protects conductor insulation.
- Accurately tapped, tapered hubs for tight, rigid joints and ground continuity.
- Temperature rating: T6

Standard Materials

- Cover: aluminum alloy
- Body: cast copperfree (4/10 of 1% max.) aluminum
- Push buttons: aluminum upper barrel and phelonic lower barrel
- Dust cap models: neoprene buttons
- Pilot light guard and body assembly: aluminum and tempered glass jewel
- Clamping ring: steel
- Selector switch: aluminum operator mechanism and nylon cam

Standard Finishes

- Body and cover: baked epoxy paint
- Operators: natural finish

Options

- LED pilot light available. Substitute **J** in catalog number with **L**.
- Three position selector switches with modified operation.
 - Momentary contact right position, spring return to center, maintained contact left position with Hand/Off/Auto legend plate. Add suffix —**S634**.
 - Momentary contact left position, spring return to center, maintained contact right position with Auto/Off/Hand legend plate. Add suffix —**S635**.
- Selector switch lockout for factory sealed units locks two or three position handle in any position. Add suffix —**S349**.



1-Gang — Start and Stop



2-Gang — GFCI and Receptacle

- Pilot light jewel/guard assembly, order by suffixes:
 - Red —**JR**
 - Amber —**JA**
 - Blue —**JB**
 - Clear —**JC**
 - Green —**JG**
 - Opal —**JO**
- For colored LED jewel/guard assembly, order by suffixes:
 - Red —**LR**
 - Amber —**LA**
 - Blue —**LB**
 - Clear —**LC**
 - Green —**LG**
 - Opal —**LO**
- Securing rod for push button factory sealed units. Add suffix —**S153**.
- CSA Type 4X enclosure and cover. Add suffix —**4X**.

CEC Certifications and Compliances

- CSA Standards: CSA C22.2 No. 25, CSA C22.2 No. 30, CSA C22.2 No. 14-M
- CSA Certified: 038339, 036848

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Class III

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		Description	Left	Diagram Centre	Right	Legend Plate	Catalog Number
Selector Switches ② – Factory Sealed – Cover Assembly Only							
 2 Position	 3 Position	2 Position 2 Circuit		None		Start/Stop	ECSK12
		2 Position 4 Circuit		None		Start/Stop	ECSK35
		3 Position 2 Circuit				Hand/Off/Auto	ECSK102
		3 Position 4 Circuit				Hand/Off/Auto	ECSK345

Key-Operated Selector Switches ④ – Non-Factory Sealed – Cover Assembly Only

Key removable in one position.

	2 Position 2 Circuit		None		Start/Stop	ECSKSA82U
	3 Position 4 Circuit				Hand/Off/Auto	ECSKSA86U

Type	Catalog Number	
	Front Operated	Key Operated

Toggle Switches ① ③ – Cover Assembly Only

		20 Amp 120/277 Vac, Factory Sealed ⑤		
 ECSKF1	 ECSKK1	1-Pole	ECSKF1	ECSKK1
		2-Pole	ECSKF2	ECSKK2
		3 Way	ECSKF3W	ECSKK3W
		20 Amp 120/277 Vac, Non-Factory Sealed ⑤		
		4 Way	ECSKF4W	ECSKK4W
		20 Amp 347 Vac, Non-Factory Sealed		
 ECSKF17	 ECSKK17	1-Pole	ECSKF17	ECSKK17
		2-Pole	ECSKF27	ECSKK27
		3 Way	ECSKF3W7	ECSKK3W7
		4 Way	ECSKF4W7	ECSKK4W7
		30 Amp 120/277 Vac – Non-Factory Sealed		
 ECSKF13	 ECSKK13	1-Pole	ECSKF13	ECSKK13
		2-Pole	ECSKF23	ECSKK23
		3 Way	ECSKF3W3	ECSKK3W3
		3-Pole	ECSKF33	ECSKK33

① Suitable for use as a motor disconnect.

② 3 Position selector switch spring return from right: add suffix **-S634**. 3 Position selector switch spring return from left: add suffix **-S635**.

③ Optional flush mounted single LED indicator light - add suffix **-LED**.

④ Locks are normally provided keyed differently. If keyed-alike locks are required, specify suffix **-KA1** and a standard type of identical locks will be provided. If a unique set of keyed-alike locks is required, specify and contact your local representative for delivery.

⑤ 20 and 30 Amp general use switches may be used to control a motor rated 1 HP @ 120 Vac or 2 HP @ 240 Vac per CEC C22.1-18, Section 28-500 3(b).

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