

Class I, Division 1 and 2, Groups B, C, D
 Zone 1 and 2
 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.
- Manual motor starters are for starting polyphase AC motors.

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.

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

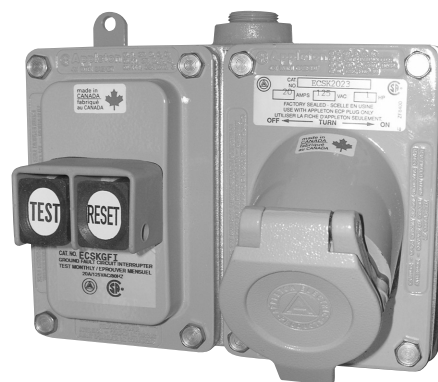
Options

- 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. Add suffix —**S634**.
 - Momentary contact left position, spring return to center, maintained contact right position. Add suffix —**S635**.
- Selector switch lockout for factory sealed units locks two or three position handle in any position. Add suffix —**S349**.
- Pilot light jewel/guard assembly, order by suffixes:
 - Red —**JR**
 - Amber —**JA**
 - Blue —**JB**

 CSA Certification Only.



1-Gang — Start and Stop



2-Gang — GFCI and Receptacle

- 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**.

Certifications and Compliances


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

ECS Manual Motor Starter, Potentiometer and Photocontrol Control Stations

CSA Certification Only. Explosionproof, Dust-Ignitionproof, Factory Sealed and Non-Factory Sealed


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Manual Motor Starters * — 1-Gang — Non-Factory Sealed Devices


	Hub Size (Inches)	Type	Starter Rating	Catalog Number
	1/2 – 3/4	1-Pole, Single Phase	1 HP 120/240 Vac	ECS21MSH †
	1	1-Pole, Single Phase	1 HP 120/240 Vac	ECS41MSH †
	1/2 – 3/4	2-Pole, Single Phase	1 HP 120/240 Vac	ECS22MSH †
	1	2-Pole, Single Phase	1 HP 120/240 Vac	ECS42MSH †
	1/2 – 3/4	2-Pole, Single Phase	30 Amp 250 Vac	ECS22MS ‡
	1		30 Amp 600 Vac 2 HP 120 Vac 3 HP 240 Vac 7.5 HP 480 Vac 10 HP 600 Vac	ECS42MS ‡
	1/2 – 3/4	3-Pole, Three Phase	30 Amp 250 Vac	ECS23MS ‡
	1		30 Amp 600 Vac 3 HP 120 Vac 7.5 HP 240 Vac 10 HP 480 Vac 20 HP 600 Vac	ECS43MS ‡

Potentiometer — 1-Gang — Non-Factory Sealed Devices

Other potentiometer resistances available, contact your local sales representative.

	Hub Size (Inches)	Resistance	Catalog Number
	1/2 – 3/4	2500 Ohms	ECS2POT25K
	1	2500 Ohms	ECS4POT25K
	1/2 – 3/4	5000 Ohms	ECS2POT5K
	1	5000 Ohms	ECS4POT5K
	1/2 – 3/4	10000 Ohms	ECS2POT10K
	1	10000 Ohms	ECS4POT10K

Photocontrol — 1-Gang — Non-Factory Sealed and Non Group B Devices

	Hub Size (Inches)	Electrical Rating	Catalog Number
	1/2 – 3/4	120 Vac, 1000 VA	ECS2PC120
	1	120 Vac, 1000 VA	ECS4PC120
	1/2 – 3/4	347 Vac, 1000 VA	ECS2PC347
	1	347 Vac, 1000 VA	ECS4PC347

* Suitable for use as a motor disconnect.
 † Heater supplied for maximum motor load.
 ‡ No heater available.
 ⚡ CSA Certification Only.