

# Emergency Stop Control Stations



## Features

- 4-pole positive guided contacts
- Stainless Steel 316 housings (IP69K/NEMA 6)
- 40mm twist-to-release mushroom head operator
- Conformance to ISO 13850, IEC 60947-5-1 and IEC 60947-5-5
- 3 conduit entries (all entries sealed)
- Emergency stop legend plate included
- UL File E365665
- Lid safety trip mechanism ensures that safety contacts will open if the lid is removed
- Models available with button protection guard and padlock holes
- Models available with 2-color LED
- Includes one tamper-proof T20 Torx bit for stainless steel versions



ESL-SS-232002



4-Pole Emergency Stop Control Stations					
Part Numbers	Housing Type	Contacts	Wiring Diagram	Conduit Entry	Price
ESL-SS-232002	Stainless steel 316	2NC 2NO	Figure 1	(3) 1/2" NPT	\$130.00
ESL-SS-232004		3NC 1NO	Figure 2		\$130.00
ESL-SS-232006		4NC	Figure 3		\$130.00
ESL-SSP-232010	Stainless steel 316 with protection guard and padlock holes	2NC 2NO	Figure 1		\$135.00
ESL-SSP-232012		3NC 1NO	Figure 2		\$135.00
ESL-SSP-232014		4NC	Figure 3		\$135.00
ESL-SSL-232018-AS	Stainless steel 316 with 2-color 24VDC LED (steady green, steady red)	2NC 2NO	Figure 1		\$155.00
ESL-SSL-232020-AS		3NC 1NO	Figure 2		\$155.00
ESL-SSL-232018-BS	Stainless steel 316 with 2-color 110VAC LED (steady green, steady red)	2NC 2NO	Figure 1		\$159.00
ESL-SSL-232020-BS		3NC 1NO	Figure 2		\$159.00
ESL-SSLP-232024-AS	Stainless steel 316 with 2-color 24VDC LED and protection guard with padlock holes	2NC 2NO	Figure 1		\$165.00
ESL-SSLP-232026-AS		3NC 1NO	Figure 2		\$165.00
ESL-SSLP-232024-BS	Stainless 316 steel with 2-color 110VAC LED and protection guard with padlock holes	2NC 2NO	Figure 1	\$169.00	
ESL-SSLP-232026-BS		3NC 1NO	Figure 2	\$169.00	



ESL-SSP-232010



ESL-SSL-232018-AS



ESL-SSLP-232024-AS



Type ESL-SSLP with button protection guard and padlock holes

(Padlock hole diameter 1/4". Padlock shaft must exceed 2" closed)

### Safety Classification and Reliability Data

Mechanical Reliability B10d	1.5 x 10 <sup>6</sup> operations at 100mA load
ISO 13849-1	Up to PLe depending upon system architecture
EN 62061	Up to SIL3 depending upon system architecture
Safety Data - Annual Usage	8 cycles per hour / 24 hours per day / 365 days
PFHd	< 1.0 x 10 <sup>-7</sup>
Proof Test Interval (Life)	21 years
MTTFd	214 years

### Electrical and General Specifications

Enclosure / Cover	Stainless Steel 316
IP Rating / NEMA	IP69K / NEMA 6
Mounting	(4) M4
Mounting Position	Any
Conduit Entries	(3) 1/2" NPT
Torque Settings	Mounting: M4 4.0 N-m    Lid: T20 Torx M4 1.5 N-m    Terminals: 1.0 N-m
Ambient Temperature	-25°C to +80°C (-13°F to +176°F)
Vibration Resistance	0.35 mm @ 10-500 Hz
Shock Resistance	15g @ 11ms
Weight	820g (1.81 lb)
Contact Type	IEC 947-5-1 double break type Zb Snap action up to 4NC (positive break) 2NO (Auxiliary)
Contact Material	Silver
Termination	Clamp up to 2.5 mm <sup>2</sup> conductors
IEC / NEMA Contact Rating	Utilization category: AC15 / A300
Operational Rating	240VAC 3A / 120VAC 6A
Thermal Current (I <sub>th</sub> )	10A
Rated Insulation Voltage (U <sub>i</sub> )	500V
Withstand Voltage (U <sub>imp</sub> )	2500V
Short Circuit Overload Protection	Fuse externally 10A (fuse type FF)
Approvals	IEC 60947-5-1, IEC 60947-5-5, EN62061, UL508, ISO13850, ISO13849-1

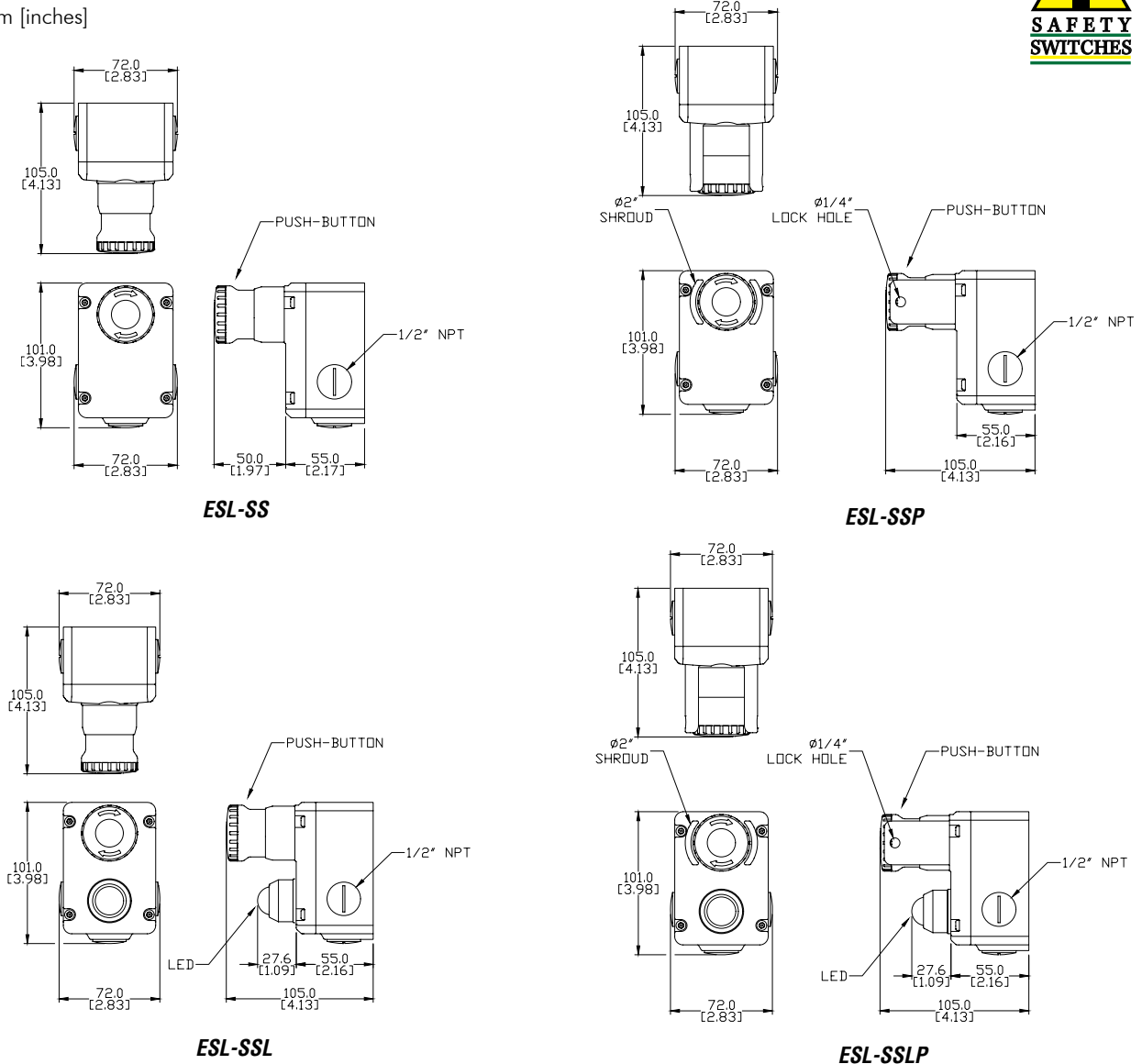
Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

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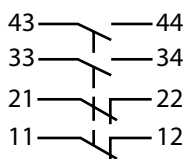
## Dimensions

mm [inches]



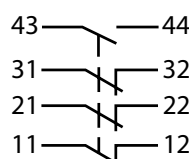
Please see our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings. Dimensions are approximate. Not for construction purposes.

## Wiring Diagrams



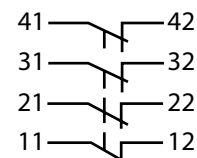
2NC 2NO

Figure 1



3NC 1NO

Figure 2



4NC

Figure 3

**LED Wiring Note:** Black (or Terminal 2) is 0V (or Neutral for 110V AC versions). When power is applied to the Red wire (or Terminal 1), the LED will illuminate Red. When power is applied to the Green wire (or Terminal 3), the LED will illuminate Green.