



# Emergency Stop Control Stations

## Features

- 3-pole positive guided contacts
- Plastic housings (IP67) or 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
- 2 conduit entries (all entries sealed)
- 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
- Includes one tamper-proof T20 Torx bit for stainless steel versions



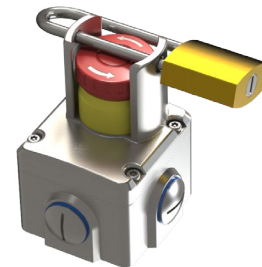
ES-P-230001



ES-SS-231002



ES-SSP-231006



Type ES-SSP with button protection guard and padlock holes

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

3-Pole Emergency Stop Control Stations					
Part Number	Housing Type	Contacts	Wiring Diagram	Conduit Entry	Price
ES-P-230001	Plastic	2NC 1NO	Figure 1	Knockout (2) M20 (2) 1/2" NPT	\$30.00
ES-P-230002		3NC	Figure 2		\$30.00
ES-SS-231002	Stainless steel 316	2NC 1NO	Figure 1	(2) 1/2" NPT	\$134.00
ES-SS-231004		3NC	Figure 2		\$125.00
ES-SSP-231006	Stainless steel 316 with button protection guard and padlock holes	2NC 1NO	Figure 1	(2) 1/2" NPT	\$136.00
ES-SSP-231008		3NC	Figure 2		\$136.00

Safety Classification and Reliability Data	
<b>Mechanical Reliability B10d</b>	1.5 x 10 <sup>6</sup> operations at 100mA load
<b>ISO 13849-1</b>	Up to PLe depending upon system architecture
<b>EN 62061</b>	Up to SIL3 depending upon system architecture
<b>Safety Data - Annual Usage</b>	8 cycles per hour / 24 hours per day / 365 days
<b>PFHd</b>	< 1.0 x 10 <sup>-7</sup>
<b>Proof Test Interval (Life)</b>	21 years
<b>MTTFd</b>	214 years
Electrical and General Specifications	
<b>Enclosure / Cover</b>	Polyester or Stainless Steel 316
<b>IP Rating / NEMA</b>	IP67 Plastic / IP69K Stainless Steel / NEMA 6
<b>Mounting</b>	(4) M4
<b>Mounting Position</b>	Any
<b>Conduit Entries</b>	(2) 1/2" NPT for Stainless Steel housing, Knockout (2) M20 / (2) 1/2" for Plastic housing
<b>Torque Settings</b>	Mounting: M4 4.0 N-m Lid: T20 Torx M4 1.5 N-m Terminals: 1.0 N-m
<b>Ambient Temperature</b>	-25°C to +80°C (-13°F to +176°F)
<b>Vibration Resistance</b>	0.35 mm @ 10-500 Hz
<b>Shock Resistance</b>	15g @ 11ms
<b>Weight</b>	Plastic: 250g (0.55 lb) Stainless Steel: 1000g (2.20 lb)
<b>Contact Type</b>	IEC 947-5-1 double break type Zb Snap action up to 3NC (positive break) 1NO (Auxiliary)
<b>Contact Material</b>	Silver
<b>Termination</b>	Clamp up to 2.5 mm <sup>2</sup> conductors
<b>IEC / NEMA Contact Rating</b>	Utilization category: AC15 / A300
<b>Operational Rating</b>	240VAC 3A / 120VAC 6A
<b>Thermal Current (I<sub>th</sub>)</b>	10A
<b>Rated Insulation Voltage (U<sub>i</sub>)</b>	500V
<b>Withstand Voltage (U<sub>imp</sub>)</b>	2500V
<b>Short Circuit Overload Protection</b>	Fuse externally 10A (fuse type FF)
<b>Approvals</b>	IEC 60947-5-1, IEC 60947-5-5, EN62061, UL508, ISO13850, ISO13849-1

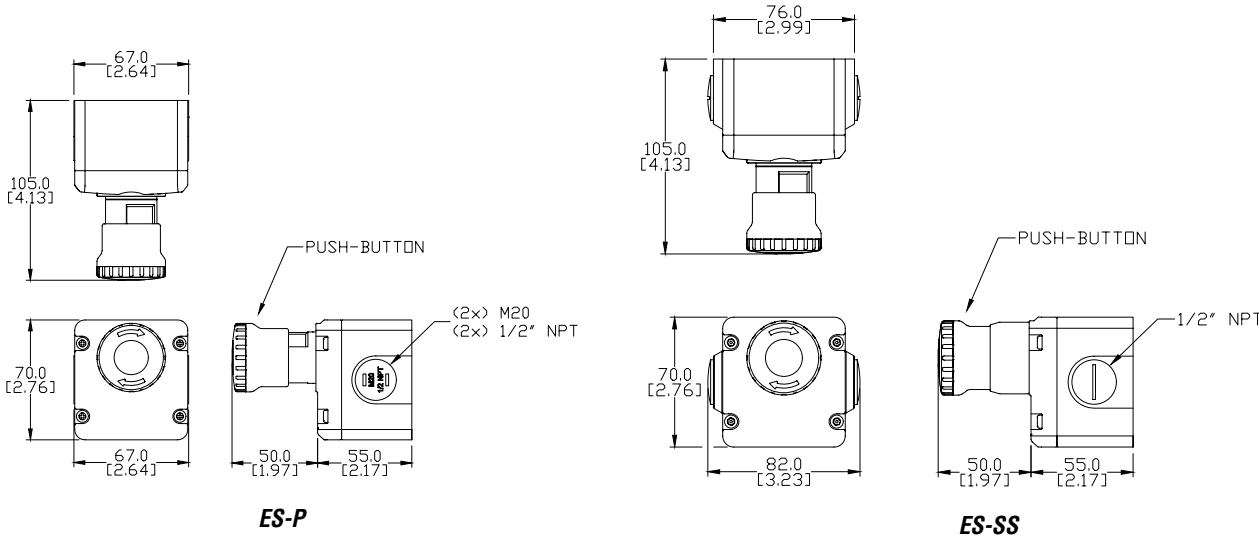
Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

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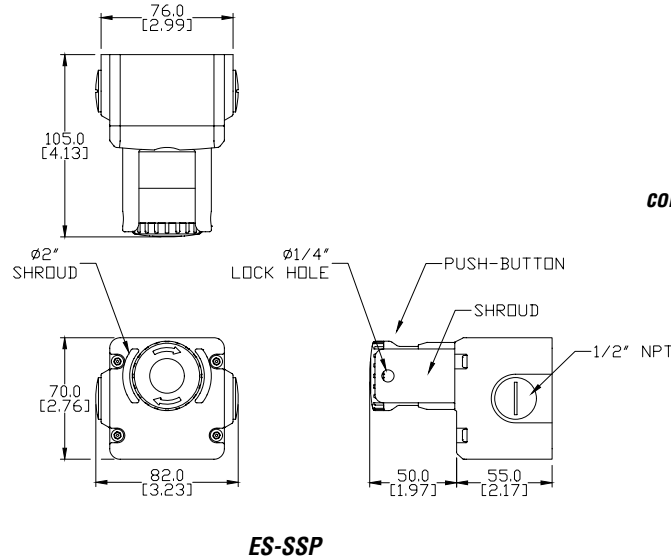


## Dimensions

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

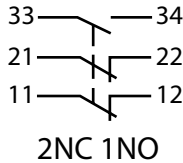


Figure 1

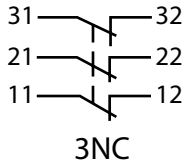


Figure 2