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

<table>
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<th>4-Pole Emergency Stop Control Stations</th>
<th>Part Numbers</th>
<th>Housing Type</th>
<th>Contacts</th>
<th>Wiring Diagram</th>
<th>Conduit Entry</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>ESL-SS-232002</td>
<td>Stainless 316</td>
<td>2NC 2NO</td>
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<td>ESL-SSL-232018-AS</td>
<td>Stainless 316 with 2-color 24VDC LED (steady green, steady red)</td>
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Safety Classification and Reliability Data

- Mechanical Reliability B10d: 1.5 x 10^6 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^-7
- 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) ½” 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
- Contact Material: Silver
- Termination: Clamp up to 2.5 mm² conductors
- IEC / NEMA Contact Rating: Utilization category: AC15 / A300
- Operational Rating: 240VAC 3A / 120VAC 6A
- Thermal Current (Ith): 10A
- Rated Insulation Voltage (U): 500V
- Withstand Voltage (Uimp): 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.

www.automationdirect.com/pushbuttons-lights

For latest prices, please check AutomationDirect.com
Emergency Stop Control Stations

Dimensions

mm [inches]

**ESL-SS**

- Dimensions:
  - Approximate Dimensions

**ESL-SSP**

- Dimensions:
  - Approximate Dimensions

**ESL-SSL**

- Dimensions:
  - Approximate Dimensions

**ESL-SSLP**

- Dimensions:
  - Approximate Dimensions

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**
- 2NC 2NO

**Figure 2**
- 3NC 1NO

**Figure 3**
- 4NC

**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.

For latest prices, please check AutomationDirect.com

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