

# KILLARK SWB/XCS Series Control Stations

## Overview - External Sealing Required



### Listings

- UL Listed; File E53360
- Class I, Div. 1 & 2, Groups C, D
- Class II, Div. 1 & 2, Groups E, F, G
- Class III
- NEMA 7 (C, D) 9 (E, F, G)
- CSA Certified; File LR11714
- Class I, Zones 1 & 2, Groups IIB, IIA



### Applications

- Hazardous locations due to the presence of flammable gases or vapors, combustible dusts or easily ignitable fibers or flyings
- Installations at petroleum refineries, chemical and petrochemical plants and other processing or storage facilities where similar hazards exist
- Use in conjunction with magnetic starters or contactors for remote control of motors

### Features

- Device bodies and covers are cast copper-free Aluminum alloy and provide a wide assortment for custom assemblies
- Cast conduit hubs, 3/4", either dead end or feed through standard in both single and two-gang device bodies
- Ground flange joint between bolted cover and box provide required flame path
- Pushbutton, selector switches and pilot light bodies are copper-free aluminum
- Operating shaft in both pushbuttons and selector switches are stainless steel
- Open space between gangs for easy wiring from one cover to another
- Miniature and standard size pushbuttons. (miniature 3/4" overall diameter, standard 1 3/8" overall diameter)
- Internal ground screw

### Contact Specifications

All contacts are break before make.  
Replacement contacts are not available for any of our Killark hazardous duty controls.

| AC Ratings |         |         |         |         |
|------------|---------|---------|---------|---------|
| Current    | 120 VAC | 240 VAC | 480 VAC | 600 VAC |
| Inrush     | 60      | 30      | 15      | 12      |
| Breaking   | 6       | 3       | 1.5     | 1.2     |
| Carrying   | 10      | 10      | 10      | 10      |

| DC Ratings (Max. Amps) |         |         |
|------------------------|---------|---------|
| Current                | 125 VDC | 250 VDC |
| Inrush                 | 0.55    | 0.275   |
| Breaking               | 0.55    | 0.275   |
| Carrying               | 2.50    | 2.5     |

| XCS Specifications                        |                                                                                                                                                  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dielectric Strength</b>                | 2.5 kV (1 minute)                                                                                                                                |
| <b>Electrical Endurance</b>               | 5 million operations at rated load                                                                                                               |
| <b>Operating Frequency</b>                | 3,000 per hour                                                                                                                                   |
| <b>Mechanical Endurance</b>               | Momentary: $5 \times 10^6$<br>Push-pull and selector: $2 \times 10^6$                                                                            |
| <b>LED Consumption</b>                    | 4-6 mA at 110 to 130 VAC/VDC                                                                                                                     |
| <b>Electrical Connections</b>             | 14 to 20 AWG max., solid or stranded                                                                                                             |
| <b>Terminal Torque</b>                    | 1.8 Nm (15.75 in-lbs)                                                                                                                            |
| <b>Lamp Connections</b>                   | 9 inch leads, 18 AWG                                                                                                                             |
| <b>Operating Temperature</b>              | -4 to 104°F (-20 to 40°C)                                                                                                                        |
| <b>Device Bodies and Covers Materials</b> | Copper-free Aluminum                                                                                                                             |
| <b>Cover Bolts Material</b>               | 1/4-20 x 7/8 inch Stainless Steel                                                                                                                |
| <b>Bolt Tightening Torque</b>             | After tightly attaching cover to device box, check with a 0.0015 inch feeler gauge; it should not enter the flame path joint more than 1/8 inch. |

# KILLARK XCS Series Cover Assemblies and Control Stations - Pushbuttons

## Pushbuttons and Pushbutton/Pilot Light Assemblies



Single Pushbutton



Double Pushbutton

Push-Pull Mushroom  
Maintained Pushbutton

### Listings

- UL Listed; File E53360
- Class I, Div. 1 & 2, Groups C, D
- Class II, Div. 1 & 2, Groups E, F, G
- Class III
- NEMA 7 (C, D) 9 (E, F, G)
- CSA Certified; File LR11714
- Class I, Zones 1 & 2, Groups IIB, IIA



### XCS Momentary Contact Single Pushbutton

| Part Number<br>(cover included) | Price    | Drawing<br>Link            | Description               | Diagram | Pushbutton Color | Nameplate Marking* |
|---------------------------------|----------|----------------------------|---------------------------|---------|------------------|--------------------|
| <a href="#"><u>XCS-0B1</u></a>  | \$193.00 | <a href="#"><u>PDF</u></a> | 1 N.O. momentary          |         | Green            | "START"            |
| <a href="#"><u>XCS-0B2</u></a>  | \$193.00 | <a href="#"><u>PDF</u></a> | 1 N.C. momentary          |         | Red              | "STOP"             |
| <a href="#"><u>XCS-0B3</u></a>  | \$229.00 | <a href="#"><u>PDF</u></a> | 1 N.O. / 1 N.C. momentary |         | Black            | Blank plate        |

### XCS Momentary Contact Double Pushbutton

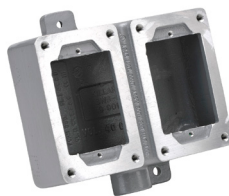
| Part Number<br>(cover included)  | Price    | Drawing<br>Link            | Description                                                                               | Diagram | Pushbutton Colors | Legend Plate<br>Marking* |
|----------------------------------|----------|----------------------------|-------------------------------------------------------------------------------------------|---------|-------------------|--------------------------|
| <a href="#"><u>XCS-0B4</u></a>   | \$254.00 | <a href="#"><u>PDF</u></a> | Green operator has 1 N.O. momentary contact and red operator has 1 N.C. momentary contact |         | Green Red         | "START STOP"             |
| <a href="#"><u>XCS-0B4-U</u></a> | \$329.00 | <a href="#"><u>PDF</u></a> | Each operator has 1 N.O. and 1 N.C. momentary contact                                     |         | Green Red         | "START STOP"             |
| <a href="#"><u>XCS-0B5</u></a>   | \$254.00 | <a href="#"><u>PDF</u></a> | Each operator has 1 N.O. momentary contact                                                |         | Green Green       | "START START"            |
| <a href="#"><u>XCS-0B7</u></a>   | \$328.00 | <a href="#"><u>PDF</u></a> | Each operator has 1 N.O. and 1 N.C. momentary contact                                     |         | Black Black       | Two blank plates         |

### XCS Maintained Contact Push-Pull Mushroom Pushbutton

| Part Number<br>(cover included)  | Price    | Drawing<br>Link            | Description                          | Diagram | Pushbutton<br>Color | Legend Plate Marking*                                                                                |
|----------------------------------|----------|----------------------------|--------------------------------------|---------|---------------------|------------------------------------------------------------------------------------------------------|
| <a href="#"><u>XCS-0MMG3</u></a> | \$622.00 | <a href="#"><u>PDF</u></a> | 1 N.O. / 1 N.C. push-pull maintained |         | Green               | Three 2-sided legend plates included: "STOP / STOP"; "EMERGENCY STOP / RESET"; Blank plate / "RESET" |
| <a href="#"><u>XCS-0MMR3</u></a> | \$581.00 | <a href="#"><u>PDF</u></a> | 1 N.O. / 1 N.C. push-pull maintained |         | Red                 | Three 2-sided legend plates included: "STOP / STOP"; "EMERGENCY STOP / RESET"; Blank plate / "RESET" |
| <a href="#"><u>XCS-0MMK3</u></a> | \$622.00 | <a href="#"><u>PDF</u></a> | 1 N.O. / 1 N.C. push-pull maintained |         | Black               | Three 2-sided legend plates included: "STOP / STOP"; "EMERGENCY STOP / RESET"; Blank plate / "RESET" |

\* We also offer a large selection of optional legend plates. See accessories later in this section.

# KILLARK SWB Series Splice/Device Boxes For Use With XCS Cover Assemblies

**SWB-2****SWB-5****SWB-8****SWB-11****SWB-42**

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- UL Listed; File E53360
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- Class II, Div. 1 & 2, Groups E, F, G
- Class III
- NEMA 7 (C, D) 9 (E, F, G)
- CSA Certified; File LR11712
- Class I, Zones 1 & 2, Groups IIB, IIA



### SWB Device Bodies

| <i>Part Number</i>   | <i>Price</i> | <i>Drawing Link</i> | <i>Description</i>                      | <i>Hub Size (inches)</i> |
|----------------------|--------------|---------------------|-----------------------------------------|--------------------------|
| <b><u>SWB-2</u></b>  | \$63.00      | <a href="#">PDF</a> | Single gang / Dead-end                  | 3/4                      |
| <b><u>SWB-5</u></b>  | \$64.00      | <a href="#">PDF</a> | Single gang / Feed-through              | 3/4                      |
| <b><u>SWB-8</u></b>  | \$124.00     | <a href="#">PDF</a> | Double gang / Dead-end                  | 3/4                      |
| <b><u>SWB-11</u></b> | \$123.00     | <a href="#">PDF</a> | Double gang / Feed-through              | 3/4                      |
| <b><u>SWB-42</u></b> | \$180.00     | <a href="#">PDF</a> | Single gang / Dead-end / Deep style     | 3/4                      |
| <b><u>SWB-45</u></b> | \$221.00     | <a href="#">PDF</a> | Single gang / Feed-through / Deep style | 3/4                      |