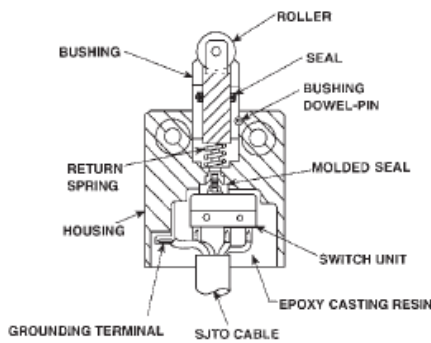


# Limit and Enclosed Switches

## Miniature Pre-Wired Enclosed Switches

914CE Series



NOTE: Bushing seal shown refers to "K" roller plunger and cross-roller plunger listings only.

Factory pre-wiring with industrial quality cable (type SJTO) allows for miniaturization of the connection and eliminates the need to wire at the switch. This allows the 914CE to be used in limited access areas.

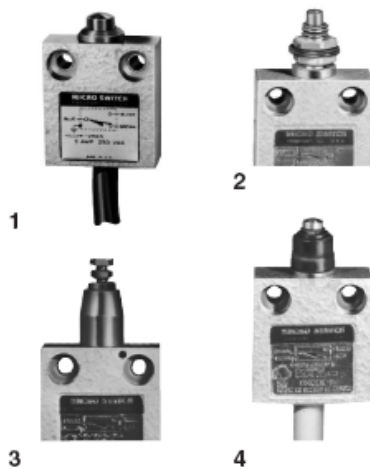
The cable electrical connection and basic switch terminals are encapsulated in an epoxy compound. An elastomer seal between the plunger and switch housing, plus mounting screw holes with continuous walls, keep liquids from entering the switch cavity. The seal boot offered on the 914CE18 and 914CE20 prevents contaminants from impeding plunger movement.

A full range of actuators is available, including plain plungers, roller plungers, side rotary, multi-directional wire, and manual. Any of the LS or HDLS limit switch levers may be used with the side rotary 914CE16. Pages A37 & A39.

914CE's may be specified with 3-foot (0,91 m), 6-foot (1,83 m), or 9-foot (2,74 m) cable.

A 90° steel bracket (Catalog Listing 933PA1) is available for mounting a switch in various planes relative to the mounting surface. See page A92.

### PLUNGER ACTUATED SWITCHES



For rapid response – off the shelf service, all **bold face** listings are normally stocked items.

### FEATURES

- Miniature size
- Wide selection of actuators
- Precision characteristics
- Zinc die cast housing
- Optional mounting bracket
- Fluorocarbon seal available
- Preleaded or connector versions
- Temperature range 35° to 160°F (2° to 71°C) for NEMA 1 and 3 only versions; all others 10° to 200°F (-12° to 93°C)
- UL Recognized, file #E41859
- CSA Certified, file #LR15775
- CE Certified
- Low temp. versions available (-40°C & °F)

### ELECTRICAL RATING

| Circuitry                       | Load | Amps  |                    |                    |
|---------------------------------|------|---|--------------------|--------------------|
|                                 |      | Make  | Break              |                    |
| <p>Single-pole Double-throw</p> | A    | 240 VAC, ind.<br>240 VAC, res.<br>28 VDC, res.<br>28 VDC, ind.<br>UL/CSA: 5 amps, 1/10 Hp, 125 or 250 VAC | 1.2<br>5<br>3<br>3 | 0.2<br>5<br>3<br>3 |
|                                 | B    | 1 amp res., 0.5 amp ind.,<br>30 VDC<br>UL Rating:<br>1 amp, 125 VAC                                       |                    |                    |
|                                 | C    | UL/CSA Rating<br>3 amp, 125 or 250 VAC  |                    |                    |

Limit/Enclosed

### CABLE TERMINATION



Side Exit

### GANG MOUNT TO BUILD MULTIPLE-PLUNGER SWITCH

.63 in. (16mm) between plungers.



Bottom Exit

### ORDER GUIDE

| Description<br>(Bottom exit cable unless otherwise noted) | Catalog Listing* | NEMA           | Elec. Rating | O.F. max. N lbs. | P.T. max. mm in. | O.T. min. mm in. | D.T. max. mm in. |
|---|------------------|----------------|--------------|------------------|------------------|------------------|------------------|
| Plunger <sup>1</sup>                                      | <b>914CE1-3</b>  | 1,3            | A            | 12,2<br>2.75     | 1,8<br>.071      | 3,0<br>.118      | 0,1<br>.004      |
| Plunger <sup>1</sup><br>Gold Contacts                     | 914CE1-3G        | 1,3            | B            | 12,2<br>2.75     | 1,8<br>.071      | 3,0<br>.118      | 0,1<br>.004      |
| Plunger <sup>1</sup><br>(Side exit cable)                 | <b>914CE1-3A</b> | 1,3            | A            | 12,2<br>2.75     | 1,8<br>.071      | 3,0<br>.118      | 0,1<br>.004      |
| Bushing mount<br>Plunger <sup>2</sup>                     | 914CE27-3        | 1,3            | A            | 12,2<br>2.75     | 1,8<br>.071      | 3,0<br>.118      | 0,1<br>.004      |
| Adjustable<br>Plunger <sup>3</sup>                        | <b>914CE19-3</b> | 1,3,4<br>12,13 | A            | 22,2<br>5        | 1,8<br>.071      | 3,0<br>.118      | 0,1<br>.004      |
| Boot sealed<br>Plunger <sup>4</sup>                       | <b>914CE18-3</b> | 1,3,4<br>12,13 | A            | 22,3<br>5        | 1,8<br>.071      | 3,0<br>.118      | 0,1<br>.004      |
| Side exit<br>cable  | 914CE18-3A       | 1,3,4<br>12,13 | A            | 22,3<br>5        | 1,8<br>.071      | 3,0<br>.118      | 0,1<br>.004      |
| Fluorocarbon<br>Seals                                     | 914CE18-3V       |                |              |                  |                  |                  |                  |

N = Newtons

\* These listings have 0,91m (3 ft.) cable. To order 1,83, (6 ft.) cable, change the -3 to -6. To order 2,74m (9 ft.) cable, change the -3 to -9.

Characteristics: O.F. – Operating Force; P.T. – Pretravel; O.T. – Overtravel; D.T. – Differential Travel.