



Home > Products > MICRO SWITCH™ Compact Limit Switches > 914CE > Product Page

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### 914CE31-9V



Actual product appearance may vary.

**Miniature Enclosed Switches Series  
914CE: Top Roller Plunger; 1NC 1NO  
SPDT Snap Action; 9 foot Cable**

#### Features

Compact construction  
Pre-wired or connector versions  
Die-cast Zinc housing  
Wide selection of actuators  
Gang mounting capability  
Cable length variations  
Side and bottom exit cable/connector  
Simple two-screw mounting  
Low temperature variants  
Fluorocarbon sealing (standard)

#### Potential Applications

Processing Equipment  
Textile Machinery  
Machine Tools  
Robotics  
Packaging Equipment  
Farm Machinery  
Commercial Laundry Equipment  
Printing Trade Machinery  
Vehicles

#### Description

All MICRO SWITCH™ 14CE and 914CE series miniature enclosed switches incorporate fluorocarbon diaphragm sealing to provide reliable protection, meeting NEMA 1, 2, 3, 3R, 4, 6, 6P, and 13 as well as IP66, IP67, and IP68 requirements. Versions with boot seal also meet NEMA 12 requirements (dust, falling dirt, liquid media with solid contaminates). The cable or connector and basic switch terminals are encapsulated in an epoxy compound, offering superior resistance in harsh environments. For low temperature applications (down to -40 degrees C, -40 degrees F), CE switches can be supplied with low temperature seals and lubricant. The CE switches are a rugged and versatile switch which can be applied indoors in harsh factory floor applications, as well as on outdoor equipment in extreme temperatures. A full range of actuators are available, including plain plungers, roller plungers, side rotary, multi-directional wire, and manually operated. The switches are also available with the industry standard, M12 miniature 4pin connector. The MICRO SWITCH™ 14 CE versions are designed for European applications and meet the requirements of the low voltage directive and therefore carry the CE mark. The MICRO SWITCH™ 914CE products meet UL and CSA standards, as well as European CE requirements.

#### Supporting Documentation

None Available

Product Specifications	
Availability	Global
Operating Force (O.F.)	11.8 N max. [2.65 lb max.]
Release Force (R.F.)	4.4 N max. [0.99 lb max.]
Pretravel (P.T.)	1.0 mm ± 0.5 mm [0.04 in ± 0.02 in]
Overtravel (O.T.)	3.0 mm min. [0.118 in min.]
Differential Travel (D.T.)	0.1 mm max. [0.004 in max.]
Product Type	MICRO SWITCH™ Miniature Limit Switches
Actuator	Top Roller Plunger
Lever Style	None
Circuitry	1NC 1NO SPDT Snap Action
Ampere Rating	5 A (Thermal)
Supply Voltage	240 Vac
Housing Material	Zinc Die - Cast
Termination Type	9 foot Cable
Series Name	914CE
Sealing	IP66, IP67, IP68; NEMA 1, 2, 3, 3R, 4, 6, 6P, 12, 13
Approvals	UL recognized, CSA Certified, CE Certified
CSA File #	LR15775
UL File #	E41859
Mechanical Life	up to 10 million
Operating Temperature Range	-40 °C to 70 °C (35 °F to 160 °F)
Comment	Bottom Exit Cable; Fluorocarbon Seals; With Boot Seal
Agency Approvals and Standards	IEC947 -5-1, EN60947 -5-1
UNSPSC Code	302119
UNSPSC Commodity	302119 Switches and controls and relays
Sealed	Industrial

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