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914CE20-Q1

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Miniature Enclosed Switches Series 914CE: Wobble - Spring Wire; 1NC 1NO SPDT Snap Action; 4-Pin AC Micro-Connector

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 contaminants). 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

- ▣ [Engineering Drawing](#)

Product Specifications	
Availability	Europe; Asia -Pacific
Operating Force (O.F.)	0.55 N max. [0.12 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	Wobble - Spring Wire
Lever Style	None
Circuitry	1NC 1NO SPDT Snap Action
Ampere Rating	3 A (Thermal)
Supply Voltage	125 Vac. 250 Vac
Housing Material	Zinc Die -Cast
Termination Type	4 - Pin AC Micro - Connector
Series Name	914CE
Sealing	IP66, IP67, IP68; NEMA 1, 2, 3, 3R, 4, 6, 6P, 13
Approvals	UL recognized, CSA Certified, CE Certified
CSA File #	LR15775
UL File #	E41859
Mechanical Life	up to 10 million
Operating Temperature Range	0 °C to 70 °C (35 °F to 160 °F)
Comment	Bottom Exit Connector; 4 - Pin AC Micro - Connector
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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