



### 914CE18-3



*Actual product appearance may vary.*

**Miniature Enclosed Switches Series  
914CE: Top Plunger; 1NC 1NO SPDT  
Snap Action; 3 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 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 4-pin 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.

Product Specifications	
Availability	Global
Operating Force (O.F.)	22.5 N max. [5.06 lb max.]
Release Force (R.F.)	4.4 N max. [0.99 lb max.]
Pretravel (P.T.)	1.0 mm $\pm$ 0.5 mm [0.04 in $\pm$ 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 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	3 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	0 °C to 70 °C (35 °F to 160 °F)
Comment	Bottom Exit Cable; 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

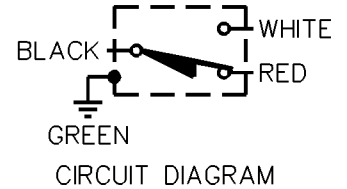
**MICRO SWITCH**  
a Honeywell Division

FED. MFG. CODE 91929

**MINIATURE PRECISION  
LIMIT SWITCH**

CATALOG LISTING

**914CE18-3**



914CE18-3

**M**

DRAWING  
NUMBER

3

ISSUE

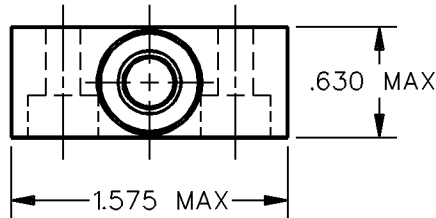
RELEASE NO. PR-6431-T REPLACES

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REVISIONS

A CO-69061  
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4 OCT 91

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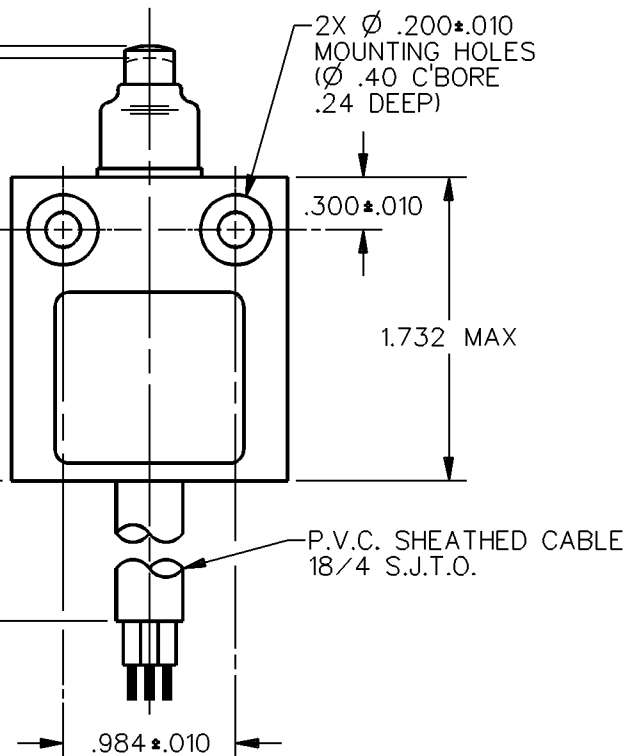


.071 MAX  
PRETRAVEL

.980 ±.039  
OPERATING  
POSITION

2.480 MAX

36.000 MIN



Ø.280 STAINLESS  
STEEL PLUNGER

NEOPRENE  
SEAL

1.732 MAX

P.V.C. SHEATHED CABLE  
18/4 S.J.T.O.

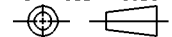
NOTES



1 - ZINC HOUSING FINISHED WITH GRAY PAINT

ANSI Y14.5M-1982 APPLIES

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THIRD ANGLE PROJECTION



CHARACTERISTICS	ELECTRICAL DATA	SCALE	
		FULL	DO NOT SCALE PRINT
OPERATING FORCE — — — — 5 LB MAX	CONTACT ARRANGEMENT S P D T	<b>UNLESS OTHERWISE SPECIFIED TOLERANCES ARE</b>	
DIFFERENTIAL TRAVEL — — — .004 MAX		ONE PLACE (.0) ±.030	
OVERTRAVEL — — — — .118 MIN	5A 1/10HP 125 OR 250 VAC	TWO PLACE (.00) ±.015	
	 	THREE PLACE (.000) ±.005	
		ANGLES ±	
		WEIGHT	

DDM/CAD

DRAWN

CHECK

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