



MICRO SWITCH™ Compact  
Precision Limit Switches  
**914CE Series**



# MICRO SWITCH™ 914CE Series

## Compact Precision Limit Switches

All MICRO SWITCH™ 914CE Series compact 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 sealant, offering excellent resistance in harsh environments. For low temperature applications (down to -40 °C, -40 °F), CE Series switches can be supplied with low temperature seals and lubricant.

The CE Series switches are rugged and versatile switches which can be applied indoors in many 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 micro-change 4-pin connector. MICRO SWITCH™ 914CE products meet North American, cURus standards, as well as European CE requirements.

### *What makes our switches better?*

- Compact construction for minimal real estate on equipment
- Gang mounting capability to provide a multi-plunger limit switch
- Rugged, die-cast zinc housing for many demanding environments
- Variety of cable length options and choice of side or bottom exit cable/connector for design flexibility
- Functionality over a wide temperature range with factory sealed connectors or wiring



***Big performance in a little package.***

CUSTOMIZATION • COMPACT  
HIGH PERFORMING • DURABILITY



## Features and Benefits

### RUGGED, COMPACT CONSTRUCTION

MICRO SWITCH™ 914CE Series limit switches' compact construction means **minimal real estate on equipment**. Delivers consistent performance in many demanding environments where petroleum, synthetic or water based fluids are present. Its die-cast zinc housing and fluorocarbon diaphragm maintain a tightly sealed, NEMA 1, 2, 3, 3R, 4, 6, 6P, 12 (boot seal), and 13 IP66/67/68 rugged package.

### *Gang-mounting option*

### CUSTOMIZATION

Switches are **pre-leaded** (UL cable) or supplied with a **M12 four-pin connector** to decrease installation time. 914CE Series' wide selection of actuators **minimize installation or time issues**. Cable length variations for equipment requiring different cable lengths with side and bottom exit cable/connector options for equipment flexibility.

### COMPACT DESIGN

Rugged, compact switch with a **25 mm hole-hole mounting** footprint. Engineered with a MICRO SWITCH™ SM switch for **consistent, precise actuation**.

### *High performance switch for small spaces*

### LONG LIFE

Well suited for up to **10 million actuation cycles**. (Up to 5 million actuation cycles for wobble actuators)

### DESIGN FLEXIBILITY

Gang mounting capability to provide a **multi-plunger limit switch**. **Low temperature variants** available for indoor and outdoor applications.

### GLOBAL APPLICATIONS

**cURus, CE** approvals for world-wide use.

## Potential Applications



### **MACHINE TOOLS**

Detects tool and piece part location on CNC and other machining equipment

### **OFF-ROAD EQUIPMENT**

Used as a cab door switch on crane booms

### **MATERIAL HANDLING**

Used in dock locks for trucks and trailers, and vehicle wash systems



### **ACCESS AND MOBILITY SOLUTIONS**

Often used on vehicle wheelchair lifts and stairway lifts

### **TEXTILE MACHINERY**

Senses roll size, tensioning, and other functions

### **ROBOTICS**

Controls arm movement limits



### **PACKAGING EQUIPMENT**

Often used on stretch pallet wrapping equipment

### **COMMERCIAL APPLIANCES**

Functions as a door switch

### **PRINT TRADE MACHINERY**

Senses roll size, tensioning, along with controlling gates and panels

### **AGRICULTURAL MACHINERY**

Used on grain and livestock equipment

# MICRO SWITCH™ Compact Precision Limit Switches

**Table 1. Specifications**

Characteristic	Parameter
Description	compact enclosed limit switch
Actuators	<ul style="list-style-type: none"> <li>• Top pin plunger (914CE1-)</li> <li>• Cross roller plunger (914CE3-)</li> <li>• Top pin plunger with boot seal (914CE18-)</li> <li>• Wobble (914CE20-)</li> <li>• Top pin plunger, panel mount (914CE27-)</li> <li>• Top roller plunger, parallel and panel mount (914CE28-)</li> <li>• Top roller plunger, perpendicular, panel mount (914CE29-)</li> <li>• Top roller plunger, parallel &amp; boot sealed (914CE31-)</li> <li>• Top roller plunger, perpendicular, boot seal (914CE55-)</li> <li>• Parallel roller plunger (914CE2-)</li> <li>• Front rotary (914CE16-)</li> <li>• Top adjustable plunger (914CE19-)</li> <li>• Manually operated (914CE22-)</li> <li>• Ball bearing plunger (914CE66-)</li> </ul>
Terminations	SJTO 4 x 0,75 mm <sup>2</sup> (18 AWG) cable Connector (dc), 4-pin male, M12 thread (-Q), (-Q2) Revised pin-out, see page 6 Connector (ac), 4-pin male, 1/2 in x 20 thread (-Q1)
Switching options	SPDT, snap action contacts (1NC/1NO)
Sealing	IP66, IP67, IP68 (depending upon model) NEMA 1, 2, 3, 3R, 4, 6, 6P, 12 (boot seal), 13
Operating temperature	0 °C to 105 °C [32 °F to 221 °F] optional -40 °C to 105 °C [-40 °F to 221 °F] Rotary: -40° C to 100 °C [-40 °F to 212 °F]
Mechanical life	up to 10 million (up to 5 million for wobbles)
Thermal current	1 A, 3 A, 5 A (depending upon model)
Rated Insulation voltage (Ui)	250 V
Rated impulse withstand voltage (Uimp)	1.5 kV
Pollution degree	3
Min. actuation speed	0.003 m/s
Max. actuation speed	0.1 m/s
Max. actuation frequency	ac – 200 Hz; dc – 20 Hz
Shock	50 g – IEC68-2-27
Vibration	10 G – IEC68-2-6
Approvals	cURus, CE
Conforming to standards	IEC947-5-1, EN 60947-5-1; AC14 D300, DC13 R300 UL recognized to US and Canadian Requirements

**Table 2. Electrical Ratings (in amperes)**

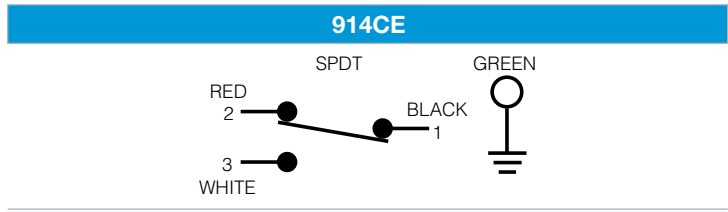
Model example	Contacts	Rating
914CE* - *	Silver contacts	A
914CE* - *G	Gold contacts	B
914CE* -Q, -AQ, -AQ1, -Q2	Silver contacts	C with 4-pin connector

Rating code	Electrical rating	Make	Break
A	cURus, CE	240 Vac, ind.	1.2
		240 Vac, res.	5
		28 Vdc, res.	3
		28 Vdc, ind.	3
		5 A, 1/10 HP, 125 Vac or 250 Vac	–
B	cURus, CE	1 A res., 0.5 A ind., 30 Vdc	–
		1 A, 125 Vac	–
C	cURus, CE	3 A, 125 Vac or 250 Vac	–



# 914CE Series

## SWITCHING AND LEAD IDENTIFICATION

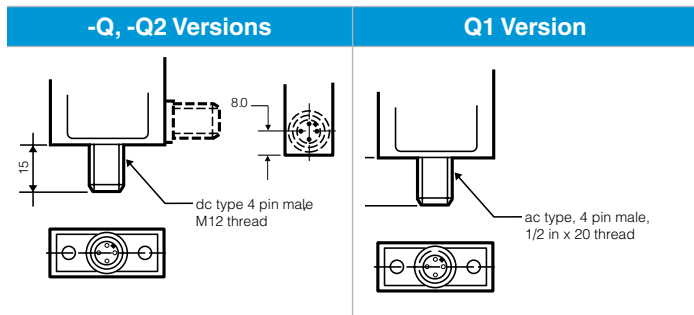


## PINOUTS

Connector - (dc) (-Q)	Connector (dc) (-Q2)	Connector (ac) (-Q1)

## CONNECTOR VERSIONS

The 914CE Series is available with a 4-pin, M12 size connector in both bottom and side exit versions.



## MOUNTING

MICRO SWITCH™ 914CE Series switches are mounted by using two M5 or #10 screws. The mounting holes are counter bored to keep the screw heads within the overall switch housing dimensions.

## GANG MOUNT CAPABILITY

The housing on the 914CE Series has been designed to enable the user to build his own multiple plunger switch by gang mounting several switches. All pin plunger and roller plunger types are suitable for gang mounting. There is a 16 mm distance between the plungers. Both series are very versatile that even a lever-type version could be added at the end of the row.

## BOTTOM EXIT OR SIDE EXIT ORIENTATION

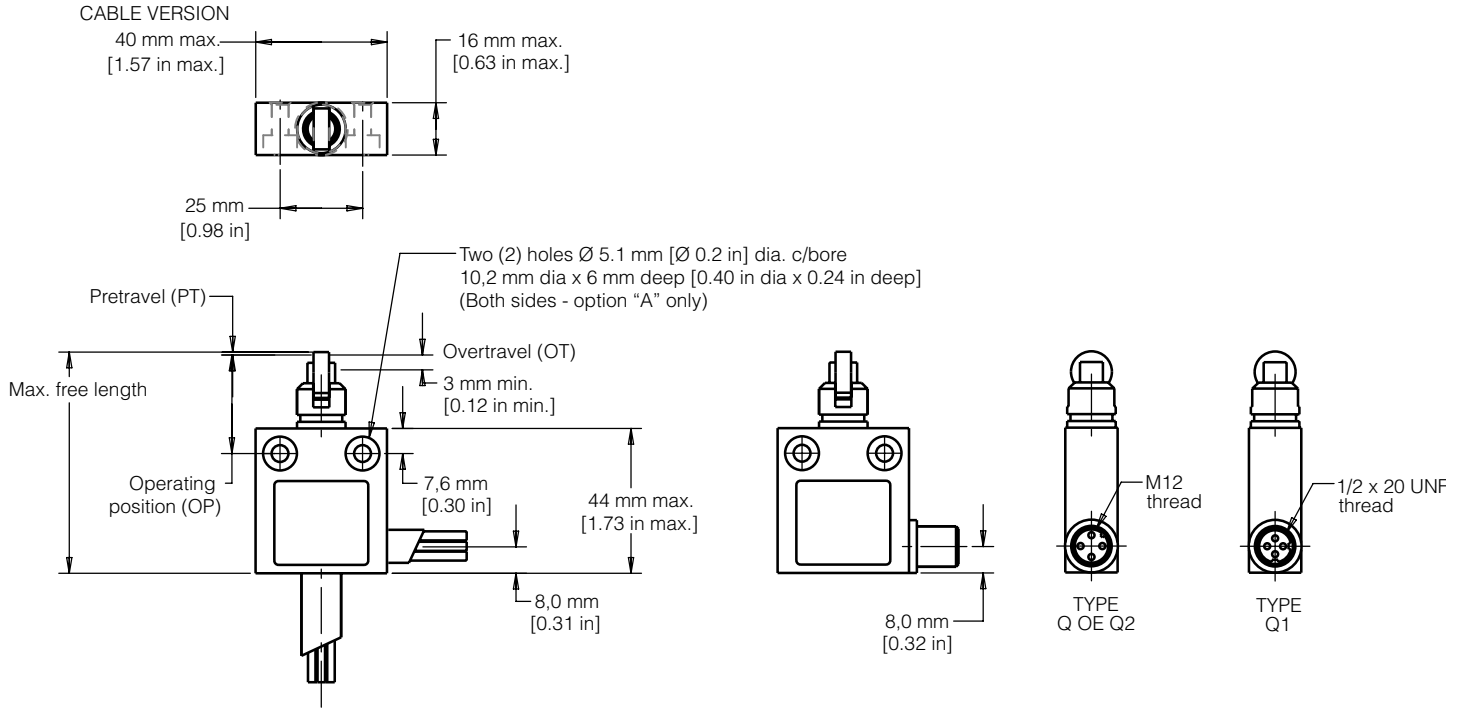
The CE Series has been designed with a pre-wired cable fitted in the bottom of the switch housing. Other variations are available with a side exit cable.

## GOLD CONTACT VERSIONS

For low energy applications (up to 30 Vdc, 1 A), gold contact versions of the 914CE switches can be supplied upon request.

# MICRO SWITCH™ Compact Precision Limit Switches

## GENERAL DIMENSIONS • ALL SWITCHES



## PRODUCT NOMENCLATURE

914CE	29	—	3		
Switch Type	Actuator Type		Cable Length	Options <sup>1</sup>	Connectors
<b>914CE</b> Series Small Precision Limit Switch	<b>1</b> Top pin plunger	<b>22</b> Manually oper. nylon button	<b>3</b> 3 feet	<b>A</b> Side entry	<b>Q</b> dc type single keyway
	<b>2</b> Top roller plunger, parallel	<b>27</b> Top pin plunger panel mount	<b>6</b> 6 feet	<b>G</b> Gold contacts	<b>Q1</b> ac type two keyways
	<b>3</b> Top roller plunger, perp.	<b>28</b> Top roller plunger, parallel panel mount	<b>9</b> 9 feet	<b>P</b> Top mounting	<b>Q2</b> dc type optional pin-out
	<b>16</b> Front rotary	<b>29</b> Top roller plunger, perp. panel mount	<b>12</b> 12 feet	<b>L1</b> Low temp. -40 °C, cable not for flexing	
	<b>18</b> Top pin plunger w/ boot seal	<b>31</b> Top roller plunger, parallel boot seal	<b>15</b> 15 feet	<b>V</b> Vitron seals/gasket (front rotary only)	
	<b>19</b> Top adjustable pin plunger	<b>55</b> Top roller plunger, perp. boot seal			
	<b>20</b> Coil wobble	<b>66</b> Top ball bearing plunger			
				Bottom exit is standard.	

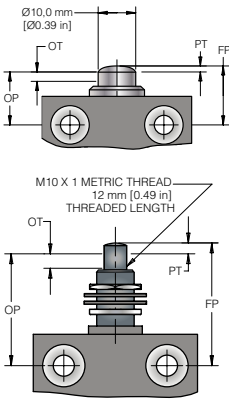
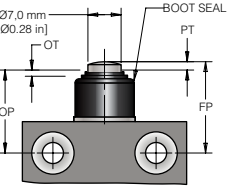
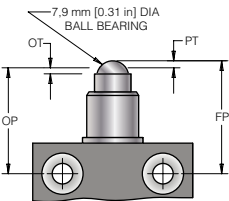
NOTE: not all combinations of model code are available.  
 Please contact your Honeywell provider/representative for assistance.

<sup>1</sup>More than one option may be permissible.

# 914CE Series

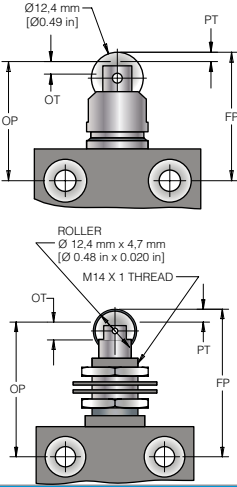
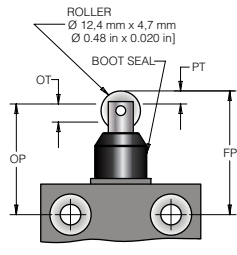
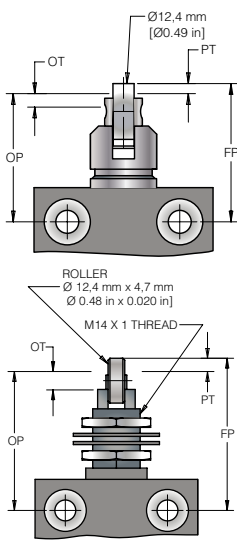
## PRODUCT SPECIFICATIONS AND LISTINGS

Contact your Honeywell rep or distributor for additional listings

914CE1 • Pin Plunger 914CE27 • Pin Plunger Panel Mount		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p><b>Pretravel</b> • 1,8 mm [0.071 in]  <b>Diff. travel</b> • 0,1 mm [0.004 in]  <b>Overtravel</b> • 3,0 mm [0.118 in]  <b>Oper. force</b> • 12,2 N [2.75 in-lb]</p>	Silver	A	Bottom	17,5 mm [0.69 in]	15,7 mm [0.62 in]	–	<b>914CE1-3</b>	
	Gold	B	Bottom	17,5 mm [0.69 in]	15,7 mm [0.62 in]	–	<b>914CE1-3G</b>	
	Silver	A	Side	17,5 mm [0.69 in]	15,7 mm [0.62 in]	–	<b>914CE1-3A</b>	
	Silver	A	Bottom	31,1 mm [1.23 in]	29,3 mm [1.15 in]	Panel mount	<b>914CE27-3</b>	
	Silver	C	Bottom	17,5 mm [0.69 in]	15,7 mm [0.62 in]	dc-type, single keyway	<b>914CE1-Q</b>	
	Silver	C	Bottom	17,5 mm [0.69 in]	15,7 mm [0.62 in]	ac-type, two keyways	<b>914CE1-Q1</b>	
914CE18 • Boot Sealed Pin Plunger		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p><b>Pretravel</b> • 1,8 mm [0.071 in]  <b>Diff. travel</b> • 0,1 mm [0.004 in]  <b>Overtravel</b> • 3,0 mm [0.118 in]  <b>Oper. force</b> • 22,2 N [5 in-lb]</p>	Silver	A	Bottom	26,7 mm [1.05]	24,9 mm [0.98 in]		<b>914CE18-3</b>	
	Silver	A	Side	26,7 mm [1.05]	24,9 mm [0.98 in]		<b>914CE18-3A</b>	
	Silver	A	Bottom	26,7 mm [1.05]	24,9 mm [0.98 in]	Fluorocarbon seals	<b>914CE18-3V</b>	
	Silver	C	Bottom	26,7 mm [1.05]	24,9 mm [0.98 in]	ac-type, two keyways	<b>914CE18-Q1</b>	
	Silver	C	Side	26,7 mm [1.05]	24,9 mm [0.98 in]	ac-type, two keyways	<b>914CE18-AQ1</b>	
914CE66 • Ball Bearing Plunger		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p><b>Pretravel</b> • 1,8 mm [0.071 in]  <b>Diff. travel</b> • 0,1 mm [0.004 in]  <b>Overtravel</b> • 3,0 mm [0.118 in]  <b>Oper. force</b> • 12,2 N [2.75 in-lb]</p>	Silver	A	Bottom	26,2 mm [1.03 in]	24,4 mm [0.96 in]		<b>914CE66-3</b>	

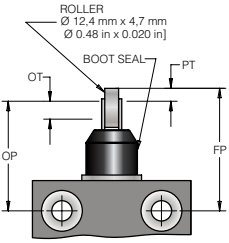
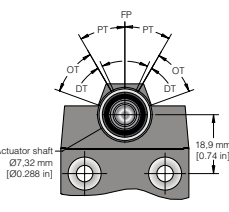
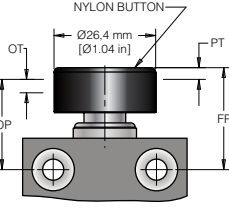
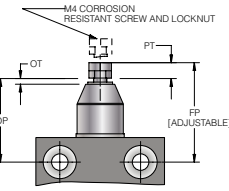


# MICRO SWITCH™ Compact Precision Limit Switches

914CE2 • Roller Plunger 914CE28 • Roller Plunger Panel Mount		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p> <b>Pretravel</b> • 1,8 mm [0.071 in]  <b>Diff. travel</b> • 0,1 mm [0.004 in]  <b>Overtravel</b> • 3,0 mm [0.118 in]  <b>Oper. force</b> • 12,2 N [2.75 in-lb]         </p>	Silver	A	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]		<b>914CE2-3</b>	
	Gold	B	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]		<b>914CE2-3G</b>	
	Silver	C	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]	ac-type, two keyways	<b>914CE2-Q1</b>	
	Silver	C	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]	dc-type, single keyway	<b>914CE2-Q</b>	
	Silver	A	Side	30,3 mm [1.19 in]	28,5 mm [1.12 in]		<b>914CE2-3A</b>	
	Silver	A	Bottom	44,3 mm [1.75 in]	42,5 mm [1.67 in]	Panel mount	<b>914CE28-3</b>	
	Silver	C	Bottom	44,3 mm [1.75 in]	42,5 mm [1.67 in]	Panel mount, ac-type, two keyways	<b>914CE28-Q1</b>	
914CE31 • Boot Sealed Roller Plunger		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p> <b>Pretravel</b> • 1,8 mm [0.071 in]  <b>Diff. travel</b> • 0,1 mm [0.004 in]  <b>Overtravel</b> • 3,0 mm [0.118 in]  <b>Oper. force</b> • 22,2 N [5 in-lb]         </p>	Silver	A	Bottom	36,2 mm [1.43 in]	34,4 mm [1.36 in]		<b>914CE31-3</b>	
	Silver	A	Bottom	36,2 mm [1.43 in]	34,4 mm [1.36 in]	Fluorocarbon seals	<b>914CE31-3V</b>	
914CE3 • Cross Roller Plunger 914CE29 • Cross Roller Panel Mount		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p> <b>Pretravel</b> • 1,8 mm [0.071 in]  <b>Diff. travel</b> • 0,1 mm [0.004 in]  <b>Overtravel</b> • 3,0 mm [0.118 in]  <b>Oper. force</b> • 12,2 N [2.75 in-lb]         </p>	Silver	A	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]		<b>914CE3-3</b>	
	Gold	B	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]		<b>914CE3-3G</b>	
	Silver	A	Side	30,3 mm [1.19 in]	28,5 mm [1.12 in]		<b>914CE3-3A</b>	
	Silver	A	Bottom	44,3 mm [1.75 in]	42,5 mm [1.67 in]	Panel mount	<b>914CE29-3</b>	
	Silver	C	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]	dc-type, single keyway	<b>914CE3-Q</b>	
	Silver	C	Bottom	30,3 mm [1.19 in]	28,5 mm [1.12 in]	ac-type, two keyways	<b>914CE3-Q1</b>	

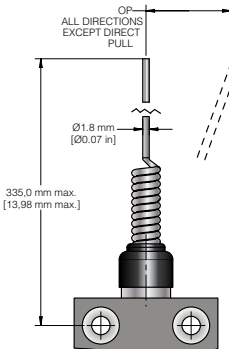
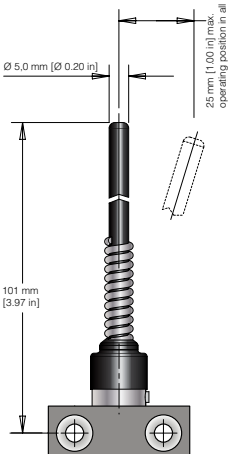
Note: part numbers are shown with 3 ft of cable. The -X indicates the number of feet of cable provided. 6-foot, 9-foot lengths, and 12-foot lengths along with custom lengths, are also available.

# 914CE Series

914CE55 • Boot Sealed Cross Roller Plunger		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p>ROLLER Ø 12,4 mm x 4,7 mm Ø 0.48 in x 0.020 in</p> <p>BOOT SEAL</p> <p>PT</p> <p>OT</p> <p>OP</p> <p>FP</p> <p><b>Pretravel</b> • 1,8 mm [0.071 in] <b>Diff. travel</b> • 0,1 mm [0.004 in] <b>Overtravel</b> • 3,0 mm [0.118 in] <b>Oper. force</b> • 22,2 N [5 in-lb]</p>	Silver	A	Bottom	36,2 mm [1.43 in]	34,4 mm [1.36 in]			<b>914CE55-3</b>
914CE16 • Side Rotary		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p>Actuator shaft Ø7,32 mm [0.288 in]</p> <p>18,9 mm [0.74 in]</p> <p>PT</p> <p>OT</p> <p>DT</p> <p>FP</p> <p><b>Pretravel</b> • 30° <b>Diff. travel</b> • 3° <b>Overtravel</b> • 40° <b>Oper. force</b> • 0,34 Nm [3 in-lb]</p>	Silver	A	Bottom	–	–			<b>914CE16-3<sup>1</sup></b>
	Silver	A	Side	–	–			<b>914CE16-3A<sup>1</sup></b>
	Silver	C	Bottom	–	–	ac-type, two keyways		<b>914CE16-Q1<sup>1</sup></b>
	Silver	C	Bottom	–	–	dc-type, single keyway		<b>914CE16-Q1<sup>1</sup></b>
	Silver	C	Side	–	–	ac-type, two keyways		<b>914CE16-AQ1<sup>1</sup></b>
914CE22 • Manually Operated		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p>NYLON BUTTON</p> <p>Ø26,4 mm [Ø1.04 in]</p> <p>PT</p> <p>OT</p> <p>OP</p> <p>FP</p> <p><b>Pretravel</b> • 1,8 mm [0.071 in] <b>Diff. travel</b> • 0,1 mm [0.004 in] <b>Overtravel</b> • 3,0 mm [0.118 in] <b>Oper. force</b> • 8,9 N [2 in-lb]</p>	Silver	A	Bottom	29,2 mm [1.15 in]	27,4 mm [1.08]	23,9 mm [0.94 in] dia. button		<b>914CE22-3</b>
914CE19 • Adjustable Plunger		Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p>M4 CORROSION RESISTANT SCREW AND LOCKNUT</p> <p>PT</p> <p>OT</p> <p>OP</p> <p>FP [ADJUSTABLE]</p> <p><b>Pretravel</b> • 1,8 mm [0.071 in] <b>Diff. travel</b> • 0,1 mm [0.004 in] <b>Overtravel</b> • 3,0 mm [0.118 in] <b>Oper. force</b> • 17,5 N [5 lb]</p>	Silver	A	Bottom	Adjust.	Adjust.			<b>914CE19-3</b>
	Gold	B	Bottom	33,8 mm	32 mm to 39 mm			<b>914CE19-3G</b>
	Silver	A	Side	to 40,8 mm	[1.26 in to 1.54 in]			<b>914CE19-3A</b>
	Silver	C	Bottom	[1.33 in to 1.61 in]		ac-type, two keyways		<b>914CE19-Q1</b>

<sup>1</sup> Switch operates on clockwise and counterclockwise rotation of lever shaft

# MICRO SWITCH™ Compact Precision Limit Switches

914CE20 • Random Motion Wire Actuator	Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p>OP— ALL DIRECTIONS EXCEPT DIRECT PULL</p> <p>Ø1.8 mm [Ø0.07 in]</p> <p>335.0 mm max. [13.98 mm max.]</p> <p><b>Oper. point • 28 mm [1.10 in] max.</b> <b>Oper. force • 0,55 N [0.12 lb] max.</b></p>	Silver	A	Bottom	—	—		<b>914CE20-3</b>
	Silver	A	Side	—	—		<b>914CE20-3A</b>
	Silver	C	Bottom			dc-type, single keyway	<b>914CE20-Q</b>
914CE20-9N24 • Random Motion Plastic Actuator	Contacts	Elec Rating	Cable Exit	Free Position (FP)	Operating Position (OP)	Options	Listing
 <p>Ø5.0 mm [Ø 0.20 in]</p> <p>25 mm [1.00 in] max. in all directions except pull</p> <p>101 mm [3.97 in]</p> <p><b>Oper. point • 25 mm [0.93 in] max.</b> in all directions except pull <b>Oper. force • 0,55 N [0.12 lb] max.</b></p>	Silver	A	Bottom	—	—	available with 9-feet of cable only	<b>914CE20-9N24</b>

Note: part numbers are shown with 3 ft of cable. The -X indicates the number of feet of cable provided. 6-foot, 9-foot lengths, and 12-foot lengths along with custom lengths, are also available.

## ADDITIONAL INFORMATION

The following associated literature is available on the Web at [sensing.honeywell.com](http://sensing.honeywell.com):

- Product installation instructions
- Product range guide
- Product nomenclature tree
- Product application-specific information
  - Limit and enclosed switches application information
  - Limit and enclosed switches operating characteristics
  - Limit and enclosed switches reference standards
  - Limit and enclosed switches typical applications
  - Product flyer: CE Family Miniature Limit Switches

### Find out more

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office.

To learn more about Honeywell's sensing and control products, call **+1-815-235-6847** or **1-800-537-6945**, visit **[sensing.honeywell.com](http://sensing.honeywell.com)**, or e-mail inquiries to **[info.sc@honeywell.com](mailto:info.sc@honeywell.com)**

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### **WARNING**

#### **PERSONAL INJURY**

**DO NOT USE** these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

### **WARNING**

#### **MISUSE OF DOCUMENTATION**

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**

## WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell website, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

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