## 91MCE Series Limit Switch



Honeywell's new 91MCE Series limit switch is an addition to the existing CE Series limit switches. 91MCE is cost-effective sensing components with factory pre-wiring or M12 quick connector which allows for miniaturization of connection and eliminates the need to wire at the switch. This allow 91MCE to be used in limited access areas. A full range of actuators and wiring options are available.

91MCE available in snap action and slow action with direct opening feature. Zinc die cast housing and epoxy potting allow the switch to be used in harsh environment.

#### **Characteristics**

Actuators	See selection guide			
Operating Speed	0.05mm ~ 1m/s			
Operating Frequency	Mechanically: 120 ops/min, Electrically: 30 ops/min			
Rated Voltage	300VAC (EN60947-5-1)			
Rated Thermal Current	Prewired: 10A; Quick Connector: 3A			
Contact Rating	AC15 A300; DC13 Q300			
Contact Resistance	$<25m\Omega$ (initial)			
Insulation Resistance	>100MΩ@500V DC			
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying parts			
Service Life	Mechanically: 5,000,000 ops Electrically: 500,000 ops at maximum rating			
Shock Resistance	Free position:<10G, Maximum position: <30G			
Vibration Resistance	10 to 55 Hz, 1.5 mm double amplitude			
Operating Temperature	-25 to 85°C without formation of ice			
Humidity	Max. 95%RH			
Cable	0.75mm <sup>2</sup> , 5 core			
Degree of Protection	IP67			



#### **Features**

- Positive opening (Force apply directly on normal closed contact to make sure contact is opened safely).
- Long mechanical Life: 5 Millions minimum.
- IP67 rated, for outdoor applications.
- CE, cULus, CCC approved
- Factory pre-wired or M12 quick connector

#### **Applications**

- General and Special machinery
- Material Handling Equipment:
- Conveyors, elevators, crane and hoist
- Textile machinery
- Construction machinery and equipment, vehicles and lift trucks

M12 Quick

Connector

Q1

1, 2

3, 4

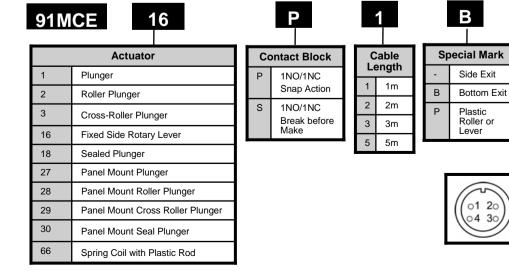
Normal Closed

Normal Open

**Bottom** 

Side Exit

#### Selection Guide

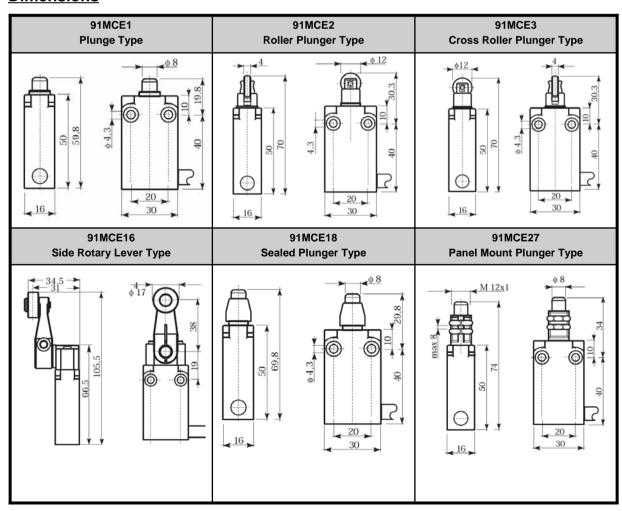


## 91MCE Series Limit Switch



Snap Action 1NO/1NC	Slow Action 1NO/1NC	Snap Action 1NO/1NC	Slow Action 1NO/1NC	
Plunger Type	Plunger Type	Side Rotary Lever	Side Rotary Lever	
BROWN 13 0 14 21 22 BLACK WHITE  Omm  1 1.8  OF 11N	BLACK/	13 0 14	11° 12	
	110 12 12	21 0 22	23° 24	
	230 24	0 15° 27-12 1	0 15° 0F	
	BROWN BLUE  OF 5N  3  3  3  3  32	0 15° 25° 0 0 0 0 14N-cm	32° 42°	
+ 1 f	5.0mm	1 1 1	70° 🗀 🚾	

### **Dimensions**



# 91MCE Series Limit Switch



91MCE30 Panel Mount Sealed Plunger		91MCE28 Panel Mount Roller Plunger		91MCE29 Panel Mount Cross Plunger	
M 14x1	94.3 08.0 08.0 09.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0 00.0	M 12x1	φ12 φ12 φ12 φ12 φ12 φ12 φ13 φ13 φ14 φ15 φ15 φ16 φ16 φ16 φ16 φ16 φ16 φ16 φ16	\$ 98 05 16	4 12x1 4 0 4 0 4 0 4 0 4 0 0 0 0 0 0 0 0 0 0 0
91MCE66 Spring Coil With Plastic Rod					
PT 15mm					