

# 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	<25mΩ (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 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

## Selection Guide

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Snap Action 1NO/1NC Plunger Type	Slow Action 1NO/1NC Plunger Type	Snap Action 1NO/1NC Side Rotary Lever	Slow Action 1NO/1NC Side Rotary Lever
<p>0mm 1 1.8 4 5.0mm</p> <p>OF 11N</p>	<p>0mm 1 3 3.2 5.0mm</p> <p>OF 5N</p>	<p>0 15° 25° 50° 70°</p> <p>RF 4N-cm OF 14N-cm</p>	<p>0 15° 32° 42° 70°</p> <p>OF</p>

## Dimensions

91MCE1 Plunge Type	91MCE2 Roller Plunger Type	91MCE3 Cross Roller Plunger Type
91MCE16 Side Rotary Lever Type	91MCE18 Sealed Plunger Type	91MCE27 Panel Mount Plunger Type

# 91MCE Series Limit Switch

<b>91MCE30</b> <b>Panel Mount Sealed Plunger</b>	<b>91MCE28</b> <b>Panel Mount Roller Plunger</b>	<b>91MCE29</b> <b>Panel Mount Cross Plunger</b>
<b>91MCE66</b> <b>Spring Coil With Plastic Rod</b>		