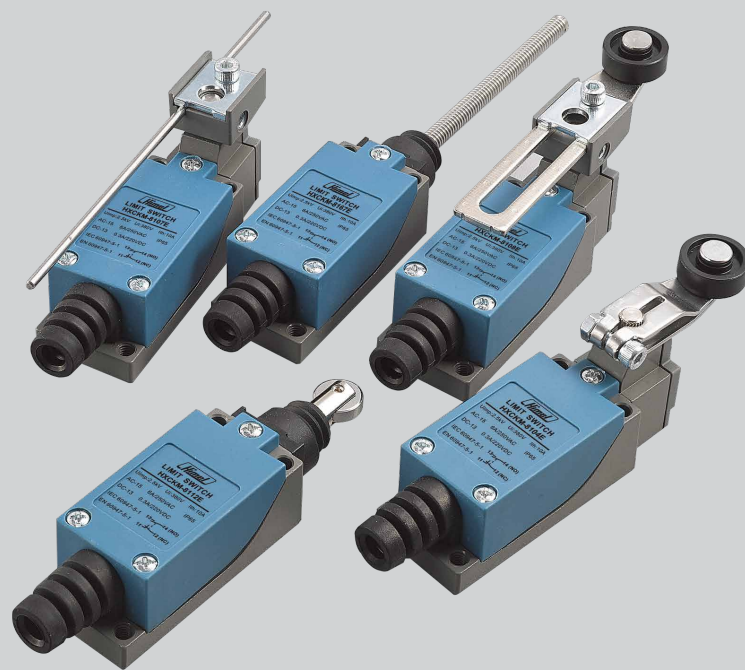


# Himel



HXC  
LIMIT SWITCH

[www.himel.com](http://www.himel.com)

## CONTROL COMPONENTS

# HXC Limit Switch

Standard: EN60947-5-1



### Range Presentation

Himel Limit Switches facilitate efficient and precise automatic monitoring of movement limits. Especially suitable for space-restricted applications like OEM machinery, they are designed and tested for harsh environments.

### Features

- ◆ Double circuit type of limit switch
- ◆ Compact size, IP65/66 water-proof and oil-proof construction
- ◆ Built-in contact box has double-spring and long mechanical life
- ◆ Smooth operation with larger over travel distance
- ◆ Various types for different application

### Online Content



HXC

### Selection Code

Range name	Series	Type	Head
<b>HXC</b>	<b>KM</b>	<b>8108</b>	<b>E</b>
<b>Limit Switch</b>	<b>KM:</b> Metal box <b>KP:</b> Plastic box <b>KD:</b> full-metal box <b>MP:</b> Micro switch, plastic box	<b>Selection of triggering head type</b>	<b>E:</b> Eco type



### Technical Parameters

series	HXCKM	HXCKP	HXCKD	HXCMP
Operation speed	5mm-0.5m/s	5mm-0.5m/s	5mm-0.5m/s	0.05mm-1m/s (Plunger type)
Operating frequency	Electrical: 30 operations/min	Electrical: 30 operations/min	Electrical: 30 operations/min	Electrical: 20 operations/min
Contact resistance	25mΩ max. (initial value)	25mΩ max. (initial value)	25mΩ max. (initial value)	15mΩ max. (initial value)
Insulation resistance	100mΩ min. (below 500VDC)	100mΩ min. (below 500VDC)	100mΩ min. (below 500VDC)	100mΩ min. (at 500VDC)
Vibration	10-55Hz,1.5mm double amplitude	10-55Hz,1.5mm double amplitude	10-55Hz,1.5mm double amplitude	(*10 to 20Hz): 1.5 Vibration amplitude action duration: 10 to 55Hz
Shock	Mechanical durable: 1,000m/Sec2 (about 100G'S)	Mechanical durable: 1,000m/Sec2 (about 100G'S)	Mechanical durable: 1,000m/Sec2 (about 100G'S)	Mechanical durable: 1,000m/Sec2 (about 100G'S)
Malfunction	300m/Sec2 (about 30G'S)	300m/Sec2 (about 30G'S)	300m/Sec2 (about 30G'S)	300m/Sec2 (about 30G'S)
Ambient temperature	Using:-20~+70°C (With no icing)	Using:-20~+70°C (With no icing)	Using:-20~+70°C (With no icing)	Using: -20~+80°C (With no icing)
Humidity	<95% RH	<95% RH	<95% RH	General purpose type: 85% RH max. Sealed type: 95% RH max.
Electrical life	500,000 operations above	500,000 operations above	500,000 operations above	500,000 operations above
Protection level	IP65	IP65	IP66	IP65(with cap)
CE	YES	YES	YES	YES

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### HXCKM Series



HXCKM-8104E



HXCKM-8105E



HXCKM-8107E



HXCKM-8108E



HXCKM-8109E



HXCKM-8111E



HXCKM-8112E



HXCKM-8122E

### HXCKP Series



HXCKP-101



HXCKP-102



HXCKP-103



HXCKP-111



HXCKP-112



HXCKP-127



HXCKP-121



HXCKP-121M



HXCKP-131



HXCKP-131M

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### HXCKD Series



HXCKD-001



HXCKD-003



HXCKD-021



HXCKD-021M



HXCKD-031



HXCKD-031M



HXCKD-012



HXCKD-041



HXCKD-051

### HXCMP Series



HXCMP-1701



HXCMP-1702



HXCMP-1703



HXCMP-1703M



HXCMP-1704



HXCMP-1704M



HXCMP-1705



HXCMP-1706



HXCMP-1306



HXCMP-1307



HXCMP-1308



HXCMP-1309



HXCMP-1308X



CAP-B



CAP-Y



CAP-C



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