## MICRO SWITCH SAFETY SWITCH COMPARISON

### Typical applications
- Conveyor systems, perimeter guarding, packaging equipment, assembly lines
- Position detection, mechanical travel limits, drift detection, machine tools, material handling, doors, apertures
- Doors, apertures, safety interlock, cabinet power isolation, and guard detection

### Certifications
- UL, cUL, CE, UKCA, SIL3
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### Mounting centers (mm)
- 172 x 51.8
- 152 x 72
- 139 x 104
- 120 x 30
- 120 x 30
- 120 x 30
- 30 x 60
- 30 x 60
- 30 x 60

### Housing
- Aluminium
- Zinc
- Zinc
- Aluminium
- Aluminium
- Zinc
- Zinc
- Zinc
- Polyester
- Polyester

### Environmental sealing
- NEMA 1; IP54
- NEMA 1, 4, 13; IP67
- NEMA 1, 4, 12, 13; IP67
- NEMA 1, 4, 13; IP67
- NEMA 1, 4, 12, 13; IP67
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- NEMA 1, 4, 13, IP67

### Operating temperature
- -40°C to 85°C
- -40°C to 80°C
- -40°C to 80°C
- 1°C to 70°C
- -40°C to 70°C
- -25°C to 85°C
- 0°C to 70°C (-40°C Capable)
- -25°C to 85°C
- -25°C to 85°C

### Circuits
- 2NC/2NO 3NC/2NO 4NC
- 1NC/1NO 2NC/2NO 3NC/2NO 4NC
- 1NC 1NC/2NO 2NC 2NC/1NO 2NC/2NO
- 1NC/1NO 1NC/1MO BBM 1NC/1MO BBM 1NC/2MO BBM 1NC/2NO BBM 1NC/2NO/2NC BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/1MO BBM 1NC/2NO BBM 1NC/2NO BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/2NO BBM 1NC/2NO BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/1NO BBM 1NC/2NO BBM 1NC/2NO BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/1NO BBM 1NC/2NO BBM 1NC/2NO BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/1NO BBM 1NC/2NO BBM 1NC/2NO BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/1NO BBM 1NC/2NO BBM 1NC/2NO BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/1NO BBM 1NC/2NO BBM 1NC/2NO BBM
- 1NC/1NO BBM 1NC/1NO BBM 1NC/1NO BBM 1NC/2NO BBM 1NC/2NO BBM

### Electrical
- 10A th AC15 A300 DC13 Q300
- 10A th AC15 A300 DC13 Q300
- 10A th AC15 A300 DC13 Q300
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- 10A th AC15 A300 DC13 Q300
- 10A th AC15 A300 DC13 Q300
- 10A th AC15 A300 DC13 Q300
- 10A th AC15 A300 DC13 Q300
- 10A th AC15 A300 DC13 Q300

### Positive opening NC contacts
- yes
- yes
- yes
- yes
- yes
- yes
- yes
- yes
- yes

### Connection
- Conduit
- Conduit
- Conduit
- Conduit
- Conduit
- Conduit
- Pre-Cabled/Connector
- Conduit/Connector
- Conduit
- Pre-Cabled
- Conduit

### Contacts
- Silver
- Silver
- Silver
- Silver
- Silver
- Silver
- Silver
- Silver
- Silver

### Hazardous approvals
- NEMA 7, Class I Div 1 & 2 Groups B, C, D NEMA 9, Class I Div 1 & 2 Groups E, F, G
- Class (Flammable Gas) Div 1 & 2, Groups B, C, D Class (Combustible Dust) Div 1 & 2, Groups E, F, G Class (Combustible Powders and Filings) Div 1 & 2
- ATEX IEC Ex (IMETRO X 130) Exd 21 T4 Gc Exd 21 T4 Gc Exd 21 T4 Gc (Tamb-40°C to 70°C)

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