

Safety Limit Switch

D4N-4262**Safety Limit Switch, M20, 1-conduit, 2NC (snap-action), One-way roller arm lever (horizontal)**

Image

Actuator	One-way action roller arm lever
Operation type	Horizontal operation type
Operating mechanism	Snap action
Contact form	2NC
Degree of protection	IP67

Ratings / Performance

As of August 8, 2024

Operating mechanism	Snap action
Operation type	Horizontal operation type
Actuator	One-way action roller arm lever 12.5 dia. x 5 Resin roller R20
Frequency	50/60 Hz
Contact form	2NC
Load	General load/Micro load
Conduit	M20 Number of conduit: 1
Ambient temperature	Operating: -30 to 70 °C (with no icing)
Ambient humidity	95 %RH max.

Permissible operating frequency	30 operations / 1 minute max.
Contact resistance (Initial value)	25 mΩ max.
Insulation resistance	100 MΩ min.
Impulse withstand voltage	Between each terminal of the same polarities: 2.5 kV Between each terminal of the different polarities: 4 kV Between each terminal and non-live-metallic part: 6 kV
Durability	Mechanical: 15,000,000 operations min.
Vibration resistance	Malfunction: 10 to 55 Hz, 0.75 mm single amplitude

Shock resistance	Destruction: 1000 m/s ² Malfunction: 300 m/s ²
Degree of protection	IP67
Classification of protection against electric shock	Class II (Double insulation)

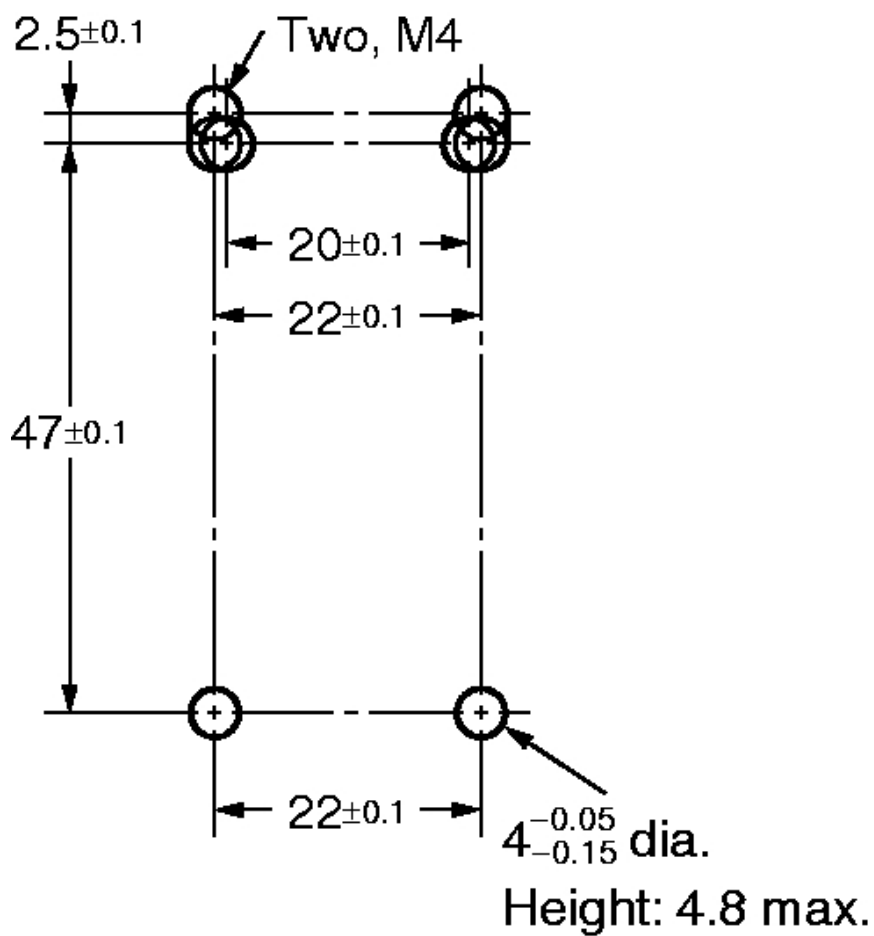
Operating Force (OF)	Standard value 5 N max.
Release Force (RF)	Standard value 0.8 N min.
Pre-Travel (PT)	Standard value 4 mm max.
Movement Differential (MD)	Standard value 1.5 mm max.
Over-Travel (OT)	Standard value 5 mm min.
Operating Position (OP)	Standard value 37±0.8 mm
Total Travel (TT)	Reference value 9 mm
Direct Opening Force	Standard value 20 N min.
Direct Opening Travel	Standard value 5.8 mm min.

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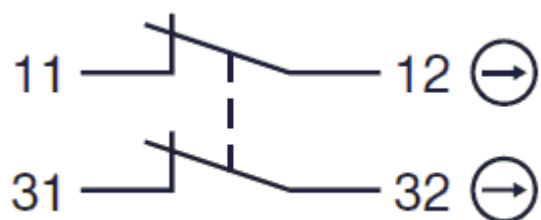
Dimensions

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Mounting hole dimensions



As of August 8, 2024

Circuits configuration

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