

Safety Limit Switch

# D4N-2131

## Safety Limit Switch, G1/2, 1-conduit, 1NC/1NO (snap-action), Plunger



Image

<b>Actuator</b>	Plunger
<b>Operating mechanism</b>	Snap action
<b>Contact form</b>	1NC/1NO
<b>Degree of protection</b>	IP67

Ratings / Performance

As of October 23, 2025

<b>Operating mechanism</b>	Snap action
<b>Actuator</b>	Plunger 6 dia. Resin plunger
<b>Frequency</b>	50/60 Hz
<b>Contact form</b>	1NC/1NO
<b>Load</b>	General load/Micro load
<b>Conduit</b>	G1/2 Number of conduit: 1
<b>Ambient temperature</b>	Operating: -30 to 70 °C (with no icing)
<b>Ambient humidity</b>	95 %RH max.

<b>Permissible operating frequency</b>	30 operations / 1 minute max.
<b>Contact resistance (Initial value)</b>	25 mΩ max.
<b>Insulation resistance</b>	100 MΩ min.
<b>Impulse withstand voltage</b>	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
<b>Durability</b>	Mechanical: 15,000,000 operations min.
<b>Vibration resistance</b>	Malfunction: 10 to 55 Hz, 0.75 mm single amplitude
<b>Shock resistance</b>	Destruction: 1000 m/s <sup>2</sup> Malfunction: 300 m/s <sup>2</sup>
<b>Degree of protection</b>	IP67
<b>Classification of protection against electric shock</b>	Class II (Double insulation)

<b>Operating Force (OF)</b>	Standard value 6.5 N max.
-----------------------------	---------------------------

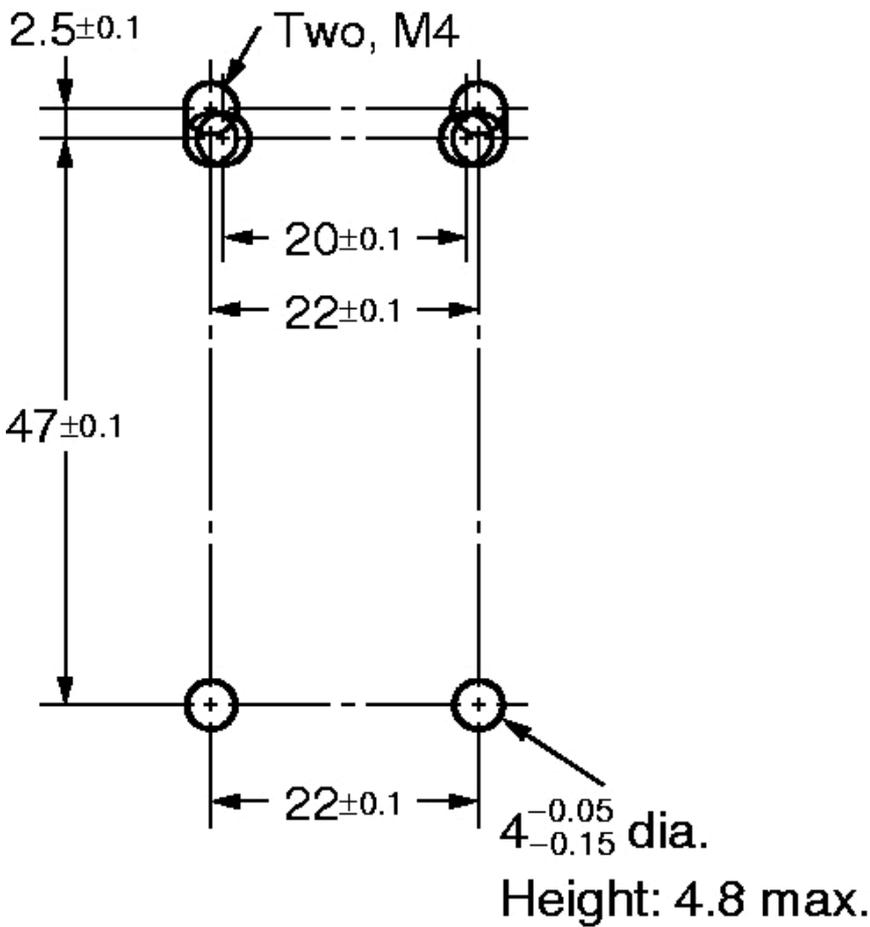
Release Force (RF)	Standard value 1.5 N min.
Pre-Travel (PT)	Standard value 2 mm max.
Movement Differential (MD)	Standard value 1 mm max.
Over-Travel (OT)	Standard value 4 mm min.
Operating Position (OP)	Standard value 18.2±0.5 mm
Total Travel (TT)	Reference value 6 mm
Direct Opening Force	Standard value 20 N min.
Direct Opening Travel	Standard value 3.2 mm min.

As of October 23, 2025

Dimensions

As of October 23, 2025

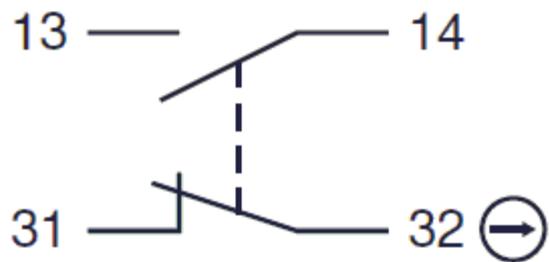
Mounting hole dimensions



As of October 23, 2025

Circuits configuration

As of October 23, 2025



As of October 23, 2025