

Safety Limit Switch

# D4N-1122

**Safety Limit Switch, PG13.5, 1-conduit, 1NC/1NO (snap-action), Roller lever (metal lever, resin roller)**



Image

<b>Actuator</b>	Roller lever
<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>	Roller lever 17.5 dia. x 6.8 Metal lever, Resin roller R26
<b>Frequency</b>	50/60 Hz
<b>Contact form</b>	1NC/1NO
<b>Load</b>	General load/Micro load
<b>Conduit</b>	Pg13.5 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 5 N max.
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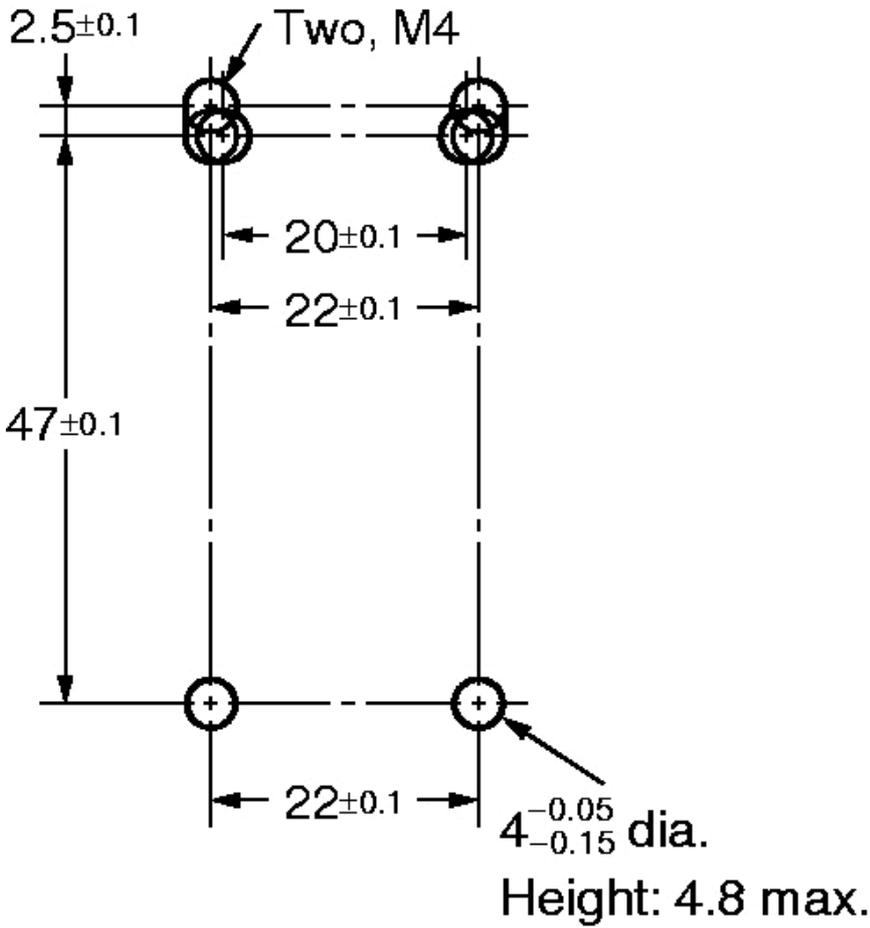
Release Force (RF)	Standard value 0.5 N min.
Pre-Travel (PT)	Standard value 18 to 27 °
Movement Differential (MD)	Standard value 14 ° max.
Over-Travel (OT)	Standard value 40 ° min.
Total Travel (TT)	Reference value 80 °
Direct Opening Force	Standard value 20 N min.
Direct Opening Travel	Standard value 50 ° min.

As of October 23, 2025

Dimensions

As of October 23, 2025

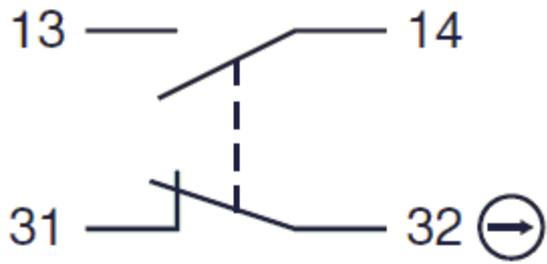
Mounting hole dimensions



As of October 23, 2025

Circuits configuration

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