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Safety Limit Switch

D4N-212G

Safety Limit Switch, G1/2, 1-conduit, 1NC/1NO (snap-action), Adjustable roller lever, form lock (metal lever, resin roller)

Image

Actuator	Adjustable roller lever
Operating mechanism	Snap action
Contact form	1NC/1NO
Degree of protection	IP67

Ratings / Performance

As of October 23, 2025

Operating mechanism	Snap action
ctuator	Adjustable roller lever 17.5 dia. x 6.8 Metal lever, Resin roller R20 to 66 Form lock type
Frequency	50/60 Hz
Contact form	1NC/1NO
Load	General load/Micro load
Conduit	G1/2 Number of conduit: 1
Ambient temperature	Operating: -30 to 70 ℃ (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)

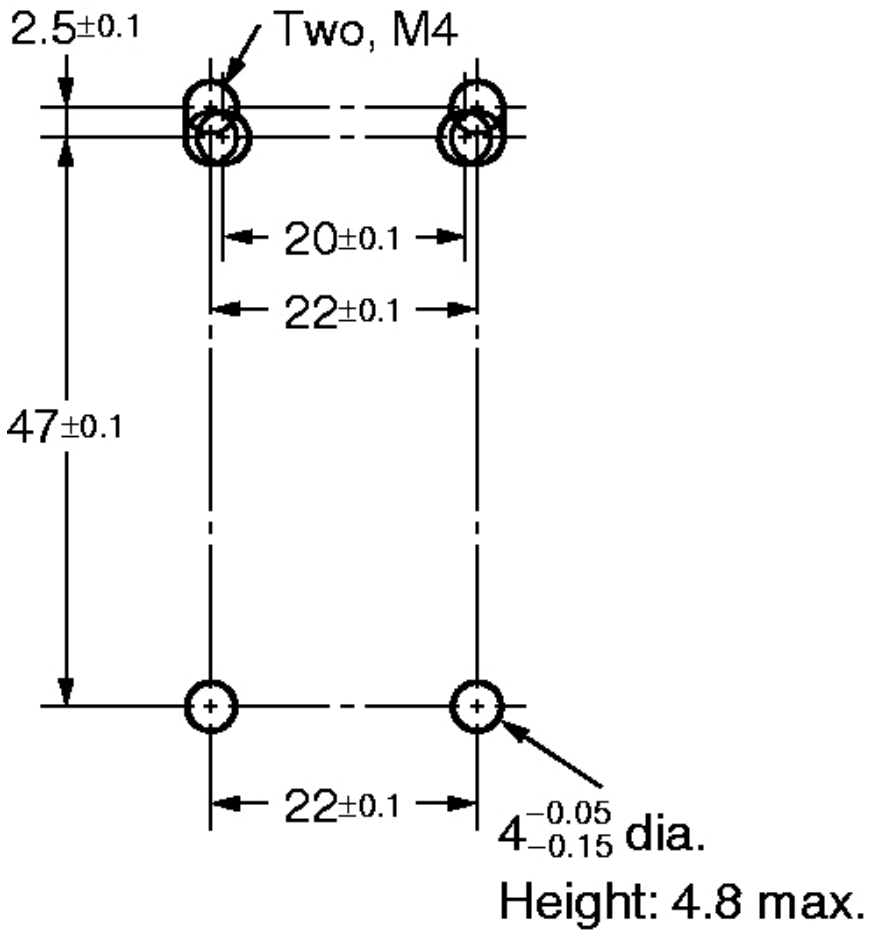
Operating Force (OF)	Standard value 4.5 N max.
Release Force (RF)	Standard value 0.4 N min.
Pre-Travel (PT)	Standard value 18 to 27 °
Movement Differential (MD)	Standard value 14 ° max.
Over-Travel (OT)	Standard value 40 ° min.
Total Travel (TT)	Reference value 80 °
Direct Opening Force	Standard value 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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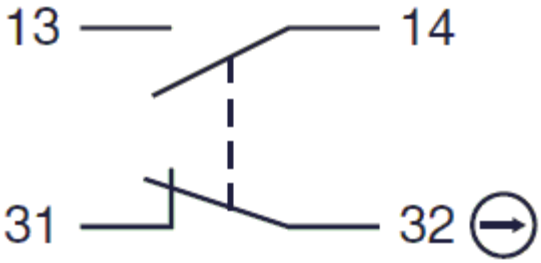

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