



Door Sensor

The TZ-8166 door sensor is a limit switch device that consists of an actuator mechanically linked to a set of contacts. When an object comes into contact with the actuator, the device operates the contacts to make or break an electrical connection. It is designed to control and detect the movement of a mechanical part, such as a vehicle door being opened or closed.

Applications

- Vehicle safety
- Mechanical part control

Key Features

- Lifetime of over 10 million operations
- IP40 protection
- High operating speed and frequency

Compatibility

✓ HCV5	✓ LCV5	✓ Pro5	✓ Trace5
✓ FM-Tco4 HCV	✓ FM-Tco4 LCV	✓ FM-Pro4	✓ FM-Eco4 RS T
✓ FM-Eco4	✓ FM-Eco4 S	✓ FM-Eco4 T	⊘ FM-Plug4

Detailed specifications

Environmental specifications

Operating temperature	-25 to +70 °C
Operating humidity	Up to 95% RH

Electrical specifications

Rated current/voltage	5 A @ 250 V max.
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Technical specifications

Operating speed	0.05 – 2 m/s
Operating frequency	Mechanical: 120 ops/sec Electrical: 30 ops/sec
Contact resistance	Up to 25 MΩ
Service life cycle	Mechanically: 10 million operations Electrically: 0.5 million operations

Physical properties

Dimensions	28 x 23 x 64 mm (without rod coil spring)
Housing	IP40
Connection	3 pin

Ordering information

ME8166	Door Sensor
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Contact information:

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