

MAGNETIC REED SWITCH

DESCRIPTION

The ITRT300-002X Series Magnetic Reed Switches are highly reliable, flush-mount and surface-mount sensors engineered for precise position and status monitoring of doors, windows, and gates across residential, commercial, and industrial environments. Encapsulated in a heavy-duty, impact-resistant ABS enclosure, the assembly consists of a highly sensitive reed switch and a matched permanent magnet actuator. When the magnet enters the specified operating distance, the magnetic field actuates the internal contacts to change their electrical state, thereby delivering a clean, bounce-free digital signal directly compatible with security panels, automation systems, and access control networks. Featuring a compact footprint and a low-profile design, the ITRT300-002X ensures seamless integration into space-constrained applications and supports both flush-mount and surface-mount installation depending on the selected model.



Product Code	ITRT300-002X
Maximum Switching Voltage	100 VDC
Maximum Switching Current	500 mA
Maximum Switching Power	10 W
Sensing distance	5-15 mm (ITRT300-0023 & ITRT300-0025) 15-25 mm (ITRT300-0024 & ITRT300-0026)
Switch type	NO (Normally Open) / NC (Normally Closed)
Initial Contact Resistance	500 mΩ Max
Cable Length	Approx. 250 mm
Housing Material	ABS
Colour	White
Operating Temperature	-10 °C ... +80 °C
Dimensions	Flush Mount Ø17 × 10.6 mm Surface Mount 64 x 13 x 13 mm

Product Code	Description
ITRT300-0023	Magnetic Reed Switch (NO) Flush Mount
ITRT300-0024	Magnetic Reed Switch (NO) Surface Mount
ITRT300-0025	Magnetic Reed Switch (NC) Flush Mount
ITRT300-0026	Magnetic Reed Switch (NC) Surface Mount

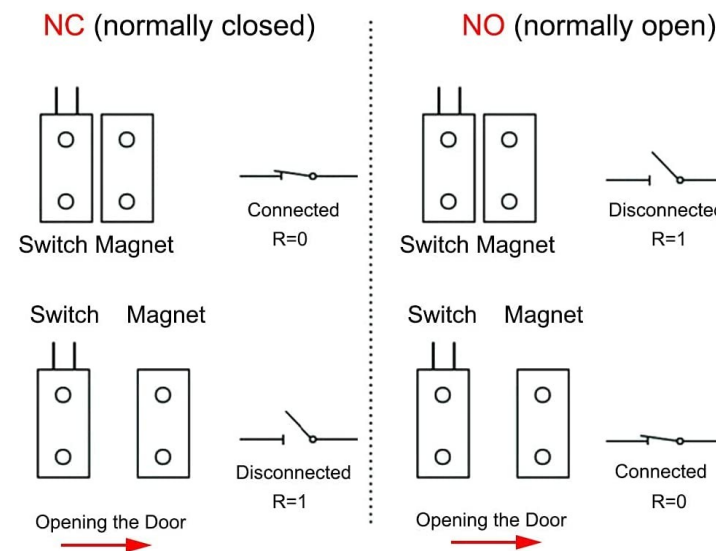


Flush Mount



Surface Mount

WORKING THEORY



DIMENSIONS

- All dimensions are in millimetres (mm).

