

Limit switch TZ-8112, straight roller

Reference: AM3074

EAN13: -

HS code: 85365080

Product attributes:

Product features:

Voltage: 115 V DC
Voltage: 250 V AC
Waterproof grade: IP65
Max. current: 5 A



Product description:

The CNTD TZ-8112 limit switch from the TZ-8 series is an industrial mechanical limit switch with a straight roller piston, designed for accurate and repeatable detection of end positions and mechanical stops. The roller design reduces friction and wear when contacting moving parts, which ensures smooth switching and long service life even at high cycle rates.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8112
- Actuator: straight roller piston
- Contact arrangement: 1× NO + 1× NC (double circuit)
- Operating speed: 5 mm/s to 0.5 m/s
- Contact resistance: max. 25 mΩ
- Insulation resistance: min. 100 MΩ (at 500 VDC)
- Dielectric strength: 1500 VAC / 1 minute
- Mechanical life: 1,000,000 cycles
- Electrical life: more than 500,000 switching cycles
- Operating temperature: -20°C to +70°C
- Relative humidity: ≤ 95% RH
- Protection: IP65
- Body dimensions: 29 × 27 × 115 mm
- Weight: 140g

Rated voltages and currents

Load type	Voltage	NO contact	NC contact
Resistive (AC)	125VAC	5 A	5 A
	250VAC	5 A	5 A
Resistive (DC)	8-30 VDC	5 A	5 A
	125 VDC	0.4A	0.4A
	250 VDC	0.2A	0.2A
Induction (AC)	125VAC	3 A	3 A
	250VAC	3 A	3 A
Inductive (DC)	8-30 VDC	4 A	4 A
	125 VDC	3 A	3 A
	250 VDC	3 A	3 A
Surge current	-	12 A	24 A

Functions and features

- Straight roller reducing friction and mechanical wear
- Smooth and precise switching during linear movement
- Double spring contact mechanism for long life
- Sturdy aluminum alloy and reinforced plastic housing
- Water, dust and oil resistant (IP65)
- Stable electrical parameters for both AC and DC applications

Ideal for

- Industrial automation
- Conveyor systems
- CNC and machine tools
- Assembly and packaging lines
- Precise detection of end positions and stops with minimal wear

Package contents

- Limit switch CNTD TZ-8112

Why choose this product?

- Clear table of rated voltages and currents
- High mechanical and electrical durability
- Roller design for reduced wear
- Reliable operation in demanding industrial conditions
- Proven quality of the CNTD TZ-8 series