

Limit switch TZ-8167, spring

Reference: AM4213

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-8167 limit switch from the TZ-8 series is a robust industrial mechanical switch with a spring actuator, designed for reliable detection of end positions, stops and linear movement. The spring design allows for smooth switching with sufficient stroke overlap, thereby protecting the switch mechanics and increasing its service life even in harsh operating conditions.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8167
- Actuator: spring
- 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 × 175 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

- Spring actuator allowing smooth switching and greater mechanical tolerance
- High switching repeatability during linear movement
- Double spring contact mechanism for long life
- Sturdy aluminum alloy and reinforced plastic housing
- Water, dust and oil resistant thanks to IP65 protection
- Stable electrical parameters for both AC and DC applications

Ideal for

- Industrial automation
- Conveyor and handling systems
- CNC and machine tools
- Assembly and packaging lines
- Detection of end positions and mechanical stops

Package contents

- Limit switch CNTD TZ-8167

Why choose this product?

- Clearly defined nominal voltages and currents in tabular form
- High mechanical and electrical durability
- Reliable operation in demanding industrial environments
- Universal use in both AC and DC circuits
- Proven quality of the CNTD TZ-8 industrial series