

Limit switch TZ-8168, spring with metal rod

Reference: AM3646

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-8168 limit switch from the TZ-8 series is a robust industrial mechanical switch with a spring actuator terminated with a metal rod. This design is intended for applications where direct linear contact, high mechanical resistance and reliable switching even under repeated loads are required. Thanks to the metal rod, it is also suitable for rougher mechanical conditions and precise position detection.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8168
- Actuator: spring with solid metal rod
- Contact arrangement: 1× NO + 1× NC (double circuit)
- Contact resistance: max. 25 mΩ
- Insulation resistance: min. 100 MΩ (at 500 VDC)
- Dielectric strength: 1500 VAC / 1 minute
- Operating speed: 5 mm/s to 0.5 m/s
- 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 mechanism with metal rod for high mechanical resistance
- Precise and stable switching during linear movement
- Double spring contact mechanism for long life
- Combination of aluminum alloy and reinforced plastic
- 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
- Detection of end positions and mechanical stops

Package contents

- Limit switch CNTD TZ-8168

Why choose this product?

- Precisely defined nominal voltages and currents for different load types
- High mechanical and electrical durability
- Durable design suitable for demanding operations
- Universal use in both AC and DC circuits
- Proven quality of the CNTD TZ-8 industrial series