

# Limit switch TZ-8166, spring with plastic rod

## Product codes:

Reference: AM4770

EAN13: -

UPC: 85365080

## Product features:

Voltage: 115 V DC

Voltage: 250 V AC

Waterproof grade: IP65

Max. current: 5 A



## Product attributes:

## Product description:

The CNTD TZ-8166 limit switch from the TZ-8 series is an industrial mechanical switch with a spring and a plastic rod, designed for precise detection of end positions, stops and linear movement. Thanks to the straight spring, it is ideal for applications with limited space, where high switching repeatability and reliable operation are required even under frequent mechanical stress.

## Technical specifications

- Type: mechanical limit switch
  - Model: TZ-8166
  - 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: up to 1,000,000 cycles
  - Electrical life: more than 500,000 switching cycles
  - Operating temperature: -20°C to +70°C
  - Relative humidity: max. 95% RH
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- Protection: IP65
- Body dimensions: 29 × 27 × 175 mm
- Weight: 135g

#### 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 spring for precise and repeatable engagement
- High sensitivity with small stroke
- Double spring contact mechanism for long life
- Sturdy aluminum alloy and reinforced plastic housing
- Water, dust and oil resistant (IP65)
- Grommet design for easy cable connection
- Suitable for both AC and DC circuits

#### Ideal for

- Industrial automation
- Conveyor and positioning systems
- CNC machines and machining equipment
- Assembly and packaging machines
- Detection of end positions and stops

#### Package contents

- Limit switch CNTD TZ-8166

#### Why choose this product?

- Proven industrial series CNTD TZ-8
  - High reliability and long service life
  - Precise switching even with small strokes
  - Universal use in a wide range of applications
  - Stable parameters and quality construction
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**Product gallery:**