

Limit switch TZ-8111, pin

Reference: AM5821

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-8111 limit switch from the TZ-8 series is an industrial mechanical limit switch with a pin (push) piston, designed for accurate and reliable detection of end positions and mechanical stops. The pin design allows direct force transmission without elastic overhang, which ensures unambiguous switching and high repeatability even with frequent cycling.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8111
- Actuator: pin push 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
- Dimensions: 29 × 27 × 114 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

- Pin piston for precise and unambiguous switching
- High repeatability without elastic distortion
- 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 and positioning systems
- CNC machines and machining centers
- Assembly and packaging lines
- Precise detection of end positions and mechanical stops

Package contents

- Limit switch CNTD TZ-8111

Why choose this product?

- Clear table of rated voltages and currents
- High mechanical and electrical durability
- Compact and robust industrial design
- Reliable operation even in demanding conditions
- Proven quality of the CNTD TZ-8 series