

Limit switch TZ-8107, rod

Reference: AM8825

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-8107 limit switch from the TZ-8 series is an industrial mechanical limit switch with a direct actuator in the form of a solid metal rod. This design is designed for precise detection of position and mechanical stops where direct and unambiguous contact without elastic overhang is required. Thanks to its robust construction and high mechanical resistance, it is suitable for continuous operation in demanding industrial applications.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8107
- Controller: solid metal rod
- 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 × 129 mm
- Weight: 180g

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

- Solid metal rod for precise and repeatable movement transmission
- High mechanical resistance without elastic overhang
- Double spring contact mechanism for long life
- Aluminum alloy and reinforced plastic construction
- Water, dust and oil resistant (IP65)
- Stable electrical parameters for both AC and DC circuits

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-8107

Why choose this product?

- Accurate and clear specification of rated voltages and currents
- Robust design suitable for industrial environments
- Long mechanical and electrical life
- Reliable solution for demanding applications
- Proven quality of the CNTD TZ-8 series