

Limit switch TZ-8109, adjustable arm with metal roller

Reference: AM9127
EAN13: -
HS code: 85365080



Product attributes:

Product features:

Voltage: 125 VDC
Voltage: 250 V AC
Waterproof grade: IP65
Max. current: 5 A

Product description:

The CNTD TZ-8109 limit switch from the TZ-8 series is a robust industrial mechanical limit switch with an adjustable arm ending in a metal roller. This design is designed for precise position detection during lateral or oblique approach, where smooth contact, low friction and high mechanical resistance are required. The adjustable arm allows easy adjustment of the switching point to suit the specific application.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8109
- Controller: adjustable arm with metal roller
- 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 × 129 mm
- Weight: 160g

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
Induction (AC)	250 VDC	0.2A	0.2A
	125VAC	3 A	3 A
Inductive (DC)	250VAC	3 A	3 A
	8-30 VDC	4 A	4 A
	125 VDC	3 A	3 A
Surge current	250 VDC	3 A	3 A
	-	12 A	24 A

Functions and features

- Adjustable arm allows precise adjustment of the switching point
- Metal roller for low friction and high mechanical resistance
- Smooth operation during lateral and oblique approaches
- Double spring contact mechanism for long life
- Sturdy aluminum alloy and reinforced plastic housing
- Water, dust and oil resistant (IP65)

Ideal for

- Industrial automation
- Conveyor and handling systems
- CNC and machine tools

- Packaging and assembly lines
- Applications with side or angled approach

Package contents

- Limit switch CNTD TZ-8109

Why choose this product?

- Clear table of rated voltages and currents
- High mechanical and electrical durability
- Adjustable design for flexible use
- Reliable operation in demanding industrial environments
- Proven quality of the CNTD TZ-8 series