

Limit switch TZ-8105, lever with metal roller

Reference: AM7799

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-8105 limit switch from the TZ-8 series is a robust industrial mechanical switch with a vertical lever terminated with a metal roller. This design is ideal for applications with lateral or inclined approach, where smooth motion transmission, low friction and high mechanical resistance are required. The metal roller significantly reduces wear during frequent cycling and ensures a long service life.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8105
- Controller: vertical lever 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
- Dimensions: 29 × 27 × 127 mm
- Weight: 155g

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

- Vertical lever enabling reliable transmission of lateral movement
- Metal roller for low friction and high mechanical resistance
- Smooth operation during oblique and lateral approach
- 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-8105

Why choose this product?

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