

Limit switch TZ-8104, vertical, lever with roller

Reference: AM0652

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-8104 limit switch from the TZ-8 series is a robust industrial mechanical switch designed for precise detection of end positions and mechanical stops. The vertical design with a metal lever and roller allows for smooth movement transmission, a larger working range and reliable function even under repeated mechanical loads in demanding operating conditions.

Technical specifications

- Type: mechanical limit switch
- Model: TZ-8104
- 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
- Protection: IP65
- Body dimensions: 29 × 27 × 128 mm
- Weight: 178g

Rated voltages and currents

| Load type | Voltage | NO contact | NC contact |
|----------------|---------------|------------|------------|
| Resistive (AC) | 125VAC | 5 A | 5 A |
| | 250VAC | 5 A | 5 A |
| | 8-30 VDC | 5 A | 5 A |
| Resistive (DC) | 125 VDC | 0.4A | 0.4A |
| | 250 VDC | 0.2A | 0.2A |
| | 125VAC | 3 A | 3 A |
| Induction (AC) | 250VAC | 3 A | 3 A |
| | 8-30 VDC | 4 A | 4 A |
| Inductive (DC) | 125 VDC | 3 A | 3 A |
| | 250 VDC | 3 A | 3 A |
| | Surge current | - | 12 A |

Functions and features

- Vertical construction with metal lever and pulley
- Smooth operation with greater permissible movement overlap
- Double spring contact mechanism for long life
- Sturdy aluminum alloy and reinforced plastic housing
- Water, oil and dust resistance (IP65)
- Through-hole design for easy wiring connection
- Suitable for both AC and DC applications

Ideal for

- Industrial automation and production lines
- Conveyor and handling systems
- CNC machines and machining centers
- Packaging and assembly machines
- Positioning and safety applications

Package contents

- Limit switch CNTD TZ-8104

Why choose this product?

- Proven industrial series CNTD TZ-8
- High mechanical resistance and stable parameters
- Long service life of contacts and mechanical parts
- Universal use in a wide range of applications
- Reliable solution with excellent price-performance ratio