

# D4NA-4132 OMRON 240VAC/10A Roller Plunger Limit Switch Datasheet



SKU: [719362709663](#)

Category: Limit & Proximity Switches

Price: **\$17.99**

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Product Page:

<https://www.equipspares.com/product/d4na-4132-omron-240vac-10a-roller-plunger-limit-switch>

## Product Description

The OMRON D4NA-4132 is a high-precision safety limit switch engineered for industrial automation and elevator safety systems. It features a 1NC/1NO snap-action contact mechanism with a direct opening mechanism to ensure circuit interruption even in the event of contact welding. This model is equipped with a 9.5mm diameter resin roller plunger actuator and a single M20 conduit entry. It operates reliably within a voltage range up to 240VAC and a rated current of 10A, maintaining an IP67 protection rating for harsh environments. The switch is designed for high durability with a mechanical life of 15,000,000 operations and an operating temperature range of -30 to 70°C.

D4NA-4132 Specifications

Model Number: D4NA-4132

Brand: OMRON

Product Category: Safety Limit Switch

Actuator Type: Roller Plunger (9.5 dia. x 5 Resin Roller)

Contact Form: 1NC/1NO

Switch Action: Snap Action

Rated Voltage: 240VAC

Rated Current: 10A

Conduit Size: M20 (1-conduit)

Degree of Protection: IP67

Operating Force (OF): 6.5 N max.

Release Force (RF): 1.5 N min.

Pre-Travel (PT): 2 mm max.

Over-Travel (OT): 4 mm min.

Movement Differential (MD): 1 mm max.

Operating Position (OP):  $28.6 \pm 0.8$  mm

Direct Opening Force: 20 N min.

Direct Opening Travel: 3.2 mm min.

Insulation Resistance: 100 M $\Omega$  min. (at 500 VDC)

Contact Resistance: 25 m $\Omega$  max. (initial value)

Mechanical Durability: 15,000,000 operations min.

Electrical Durability: 300,000 operations min. (10A at 250VAC)

Operating Temperature: -30 to 70°C (no icing)

Operating Humidity: 95% RH max.

Shock Resistance: 1,000 m/s<sup>2</sup> (destruction), 300 m/s<sup>2</sup> (malfunction)

Vibration Resistance: 10 to 55 Hz, 0.75 mm single amplitude

Pollution Degree: Degree 3 (EN60947-5-1)

Protection Class: Class II (Double Insulation)

Certifications: UL, CSA, EN (TÜV), CCC

#### D4NA-4132 Applications

Safety position monitoring for Hitachi elevator buffer switches, escalator speed governors, and industrial conveyor alignment systems. Mandatory integration in machine tool access doors and automated production lines requiring EN81-20/50 compliant safety interlocking.

## Supplemental Images

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**OMRON**  
D4NA-4132  
LIMIT SWITCH

IEC60947-5-1  
EN60947-5-1  
AC-15 3A/240VAC  
DC-13 0.27A/250VDC  
EN50047  
IP65

CE  
TUV  
NEMA A300, O300 TYPE 4X  
INDOOR USE ONLY  
IND. CONT. EQ.  
UL US LISTED 782Y

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