VC12RT23010M Carlo Gavazzi 230VAC 12mm SPDT Capacitive Sensor Datasheet

SKU: 975066673562

Category: Relays & Contactors

Price: **$227.71**

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Product Description

Carlo Gavazzi VC12RT23010M is a 32 mm cylindrical capacitive proximity sensor featuring a 230 VAC nominal power supply, an adjustable 4 to 12 mm sensing range, and an SPDT relay output. Constructed with a smooth thermoplastic polyester housing, this non-flush mountable device integrates a built-in OFF-delay timer adjustable from 1 second to 10 minutes. The hardware utilizes a 2 m PVC cable for electrical connection and operates at a 1 Hz switching frequency with a maximum power consumption of 1.5 W. The sensor is IP67-rated for environmental protection and includes a yellow LED indicator for precise output status monitoring.

VC12RT23010M Specifications
Manufacturer: Carlo Gavazzi
Model Number: VC12RT23010M
Sensor Type: Capacitive Proximity / Level Sensor
Mounting Type: Non-Flush
Sensing Range: 12 mm (Adjustable 4 to 12 mm)
Supply Voltage: 195 to 265 VAC (230 VAC Nominal, 47-63 Hz)
Output Type: SPDT Relay Contact (Change-over)
Output Rating: 2 A / 240 VAC
Time Delay Function: OFF-Delay (Adjustable 1 s to 10 min)
Power Consumption: Max 1.5 W

Operating Frequency: 1 Hz
Hysteresis: 1.5 mm at 7 mm sensing distance
Housing Style: Cylindrical, Smooth Barrel
Dimensions: 32 mm Diameter x 101 mm Length
Housing Material: Thermoplastic Polyester / Plastic
Connection Type: 2 m PVC Cable (5-Wire)
Degree of Protection: IP67
Operating Temperature: -20 to 70 °C
Storage Temperature: -40 to 85 °C
Indication: Yellow LED (Output ON)
Weight: 0.265 kg
Approvals: CE, CSA

VC12RT23010M Applications

Primary applications include integration into livestock feeding systems for precise fodder and seed level detection within storage tanks and automated feeding lines. Deployed within agricultural machinery and bulk material handling equipment, the sensor directly drives control relays to manage the start and stop sequences of grain and fluid transport mechanisms.

Supplemental Images


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