

VP01EM

Carlo Gavazzi Level Sensor Optical Plastic 10 to 40V DC NPN
Normally Closed 2m Cable Modulated



Component type	Diffuse reflective photoelectric sensor
Range	Level Sensor
Model	N/A
Product status	Existing

The Carlo Gavazzi Level Sensors are designed to detect conductive and non-conductive liquids, granulates, grains and plastics in both on/off control or continuous monitoring functions. Ideal for applications requiring level control in wells, municipal water systems, protection of pumps, grain elevators, feed conveyors and vacuum delivery systems in the plastics industry.

ELECTRICAL

Voltage type	DC
Rated control supply voltage U_s at AC 50HZ	0-0 V
Rated control supply voltage U_s at AC 60HZ	0-0 V
Rated control supply voltage U_s at DC	10-40 V
Type of switching output	NPN
Max. output current	0.2 mA
Response time	16 ms
Type of electric connection	Cable
Number of semiconductor outputs with signalling function	2
Number of protected semiconductor outputs	2
Type of switch function	Breaker contact (NC)
Max. output current at protected output	200 mA
Switching frequency	30 Hz

CONSTRUCTION

Material of optical surface	Plastic
Material housing	Plastic
Construction type housing	Cylinder, screw-thread
IP rating	IP67
AWG-number	0
Material of cable sheath	Polyurethane (PUR)
With restart blockage	No
Suitable for safety functions	No
Degree of protection (NEMA)	1

MECHANICAL

With monitoring function downstream switching devices	No
With time function	No

PHOTOMETRIC

Type of light	Infrared light
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PHOTOMETRIC

Wavelength of the sensor	880 nm
Max. switching distance	0 mm
Sensing mode	Light-/dark switching

DIMENSIONS

Diameter sensor	12.5 mm
Width sensor	27 mm
Height of sensor	0 mm
Length of sensor	74 mm

ENVIRONMENT

Ambient temperature	-20...70 °C
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DIMENSIONAL DIAGRAM

