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
Alternative	CALL FOR ALTERNATIVE

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.

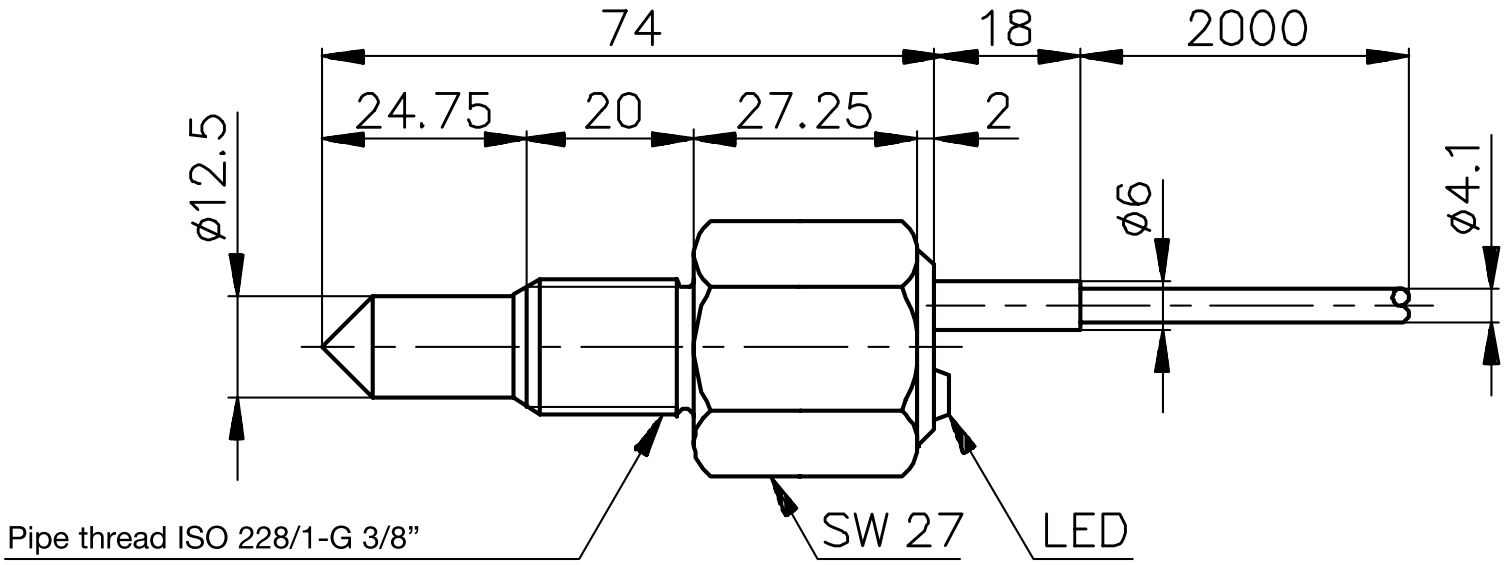
ELECTRICAL	Voltage type	DC
	Rated control supply voltage Us at AC 50HZ	0-0 V
	Rated control supply voltage Us at AC 60HZ	0-0 V
	Rated control supply voltage Us at DC	10-40 V
	Type of switching output	NPN
	Max. output current	0.2 mA
	Response time	16 ms
	Type of electric connection	Cable
	Number of semiconductor 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

VP01EM

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

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

DIMENSIONAL DIAGRAM



Published on 22 May 2026