

Detectores opto-electrónicos serie PC50

- Alimentación $\sim$ / $\equiv$
- Distancia 1 a 40 m
- Señalización del estado por LED, verde estable y naranja detección
- Función complementaria (Light ON ó Dark ON)
- Ajuste de la sensibilidad (proximidad)



Particularidades

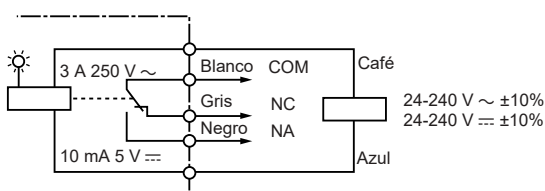
Barrera estándar

Retro reflexivo

Referencias

		PC50 401 501 ★	PC50 401 503 ★
Distancia de detección máxima (*papel blanco)	m	20	6
Objeto mínimo	mm	17 x 17	75 x 75
Angulo de emisión	°	3-15°	
Tensión de alimentación		24-240 V $\sim$ $\pm 10\%$ (50-60Hz) 24-240 V $\equiv$ $\pm 10\%$	24-240 V $\sim$ $\pm 10\%$ (50-60Hz) 24-240 V $\equiv$ $\pm 10\%$
Elementos de salida			
Función de salida		NA / NC	NA / NC
Carga nominal resistiva		3A 250 V $\sim$ / 10mA 5V $\equiv$	3A 250 V $\sim$ / 10mA 5V $\equiv$
Relé tipo inversor		3A 30 V $\equiv$	3A 30 V $\equiv$
Duración-vida mecánica (ciclos)		50 x 10 ⁶	50 x 10 ⁶
Duración-vida eléctrica (carga nominal) (ciclos)		100 000	100 000
Detección			
Fuente luminosa	LED infrarrojo	●	●
	LED rojo		
Luz ambiente máx.	Natural	lux	10 000
	Artificial	lux	3 000
Tiempo de respuesta		ms	≤ 20
Regulación de la sensibilidad		●	
Funcionamiento y utilización			
Potencia máx. absorbida	W	4	2
Temperatura límite	°C	-25 +55	-25 +55
	Almacén	°C	-40 +70
Humedad relativa	%	35 / 85	35 / 85
Resistencia de aislamiento		$\geq 20 \text{ M}\Omega$ 500 V $\equiv$	$\geq 20 \text{ M}\Omega$ 500 V $\equiv$
Rigidez dieléctrica		2000 V 50/60Hz 1 min	2000 V 50/60Hz 1 min
Resistencia a las vibraciones sobre los 3 ejes (amplitud)		10-55Hz / 2 H (1,5 mm)	10-55Hz / 2 H (1,5 mm)
Resistencia a los choques / 3 ejes		50 g	50 g
Grado de protección		IP 65	IP 65
Materia caja		PBT	PBT
Conexión (cable)		2 m	2 m
Fijación : escuadra y tornillos suministrados con el aparato		●	●
Masa	g	215	146

Conexiones





Proximidad

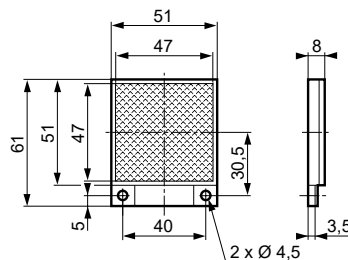
Dimensiones (mm)

Technical drawing of the sensor assembly, showing three views: a top view, a side view, and a front view.

Top View: Shows a square base with dimensions 56 mm by 56 mm. A central square area is 40 mm by 40 mm. A 10° angle is indicated. A dimension of 40 mm is shown for the top edge. A dimension of 5 mm is shown for the right edge. A dimension of 56 mm is shown for the bottom edge. A dimension of 40 mm is shown for the right edge of the central area. A dimension of 10° is shown for the angle. A dimension of 2 x Ø4,6 is shown for the top edge.

Side View: Shows a height of 50 mm. A dimension of 17,6 mm is shown for the top edge. A dimension of 2 x M4 is shown for the top edge. A dimension of 45 (40) is shown for the bottom edge. A dimension of 2 is shown for the bottom edge. A label "Piloto de salida" points to the top edge. A label "Eje óptico" points to the central area.

Front View: Shows a total width of 50 mm. A dimension of 18 mm is shown for the top edge. A dimension of 20,8 mm is shown for the total height. A dimension of 12 mm is shown for the top edge. A dimension of 6,5 mm is shown for the top edge. A dimension of 6,6 mm is shown for the top edge. A dimension of 36,2 mm is shown for the top edge. A dimension of 6 mm is shown for the top edge. A dimension of 6,5 mm is shown for the top edge. A dimension of 22 mm is shown for the top edge. A label "Potenciómetro de sensibilidad" points to the central area.



1/11

About *AUTOMATION DEPOT*

Automation Depot is an independent company **manufacturing mechatronic components for demanding application fields like Transportation, Energy, Building and Machinery Industry.**

Automation Depot provides **Switches and Sensors, Electromechanical Actuators, Electrical Protection Equipment, Automation Controllers and Instrumentation Services.**

Since 2012, Automation Depot has a heritage of close collaboration with customers in the development of products, from standard components to fully customized solutions.

Automation Depot's customers and partners can rely on our teams worldwide to always meet and often exceed their expectations. Driven by innovation, our experts are focused on designing and delivering the right product for the right application.

Automation Depot is your choice to face industrial challenges of today and tomorrow.

