



Representative Photo Only
(actual product may vary based on configuration selections)

PC Series Retro-reflective Photoelectric Sensor, polarized, visible red light, 17x50x50 metal housing, 12 to 240V DC and 24 to 240V AC, 6m sensing range, relay 3A output, IP67, 2m pre-wired cable

- Upto 6m sensing distance
- Different housing styles and materials available
- Versions with sensitivity adjustment
- AC or DC voltage versions

SPECIFICATIONS

Product Series	PC
Component Type Field Switching & Sensing	Photoelectric Sensor
Sensing Mode	Polarised Retroreflective
Light source type	LED
Colour, light source	Red (660nm)
Beam Angle / Field of View	4 ° (degrees)
Material, Lens	PMMA / Acrylic / Perspex / Plexiglas (Polymethyl methacrylate)
Material, Body / Housing	ABS material
Shape	Rectangular
Height	50 mm
Width	17 mm
Depth	50 mm
Orientation	Right Angle
Mounting (Multiple)	Panel Mount Mounting Bracket (Included)
Teach Mode / Sensitivity Adjustment	Single-Turn Knob / Potentiometer sensitivity
Sensing Distance, Max	6000 mm max
Operating Range(s)	12 ... 240V DC 24 ... 240V AC
Ue, Rated Operational Voltage, AC, min	24 V AC
Ue, Rated Operational Voltage, AC, max	240 V AC
Ue, Rated Operational Voltage, DC, min	12 V DC
Ue, Rated Operational Voltage, DC, max	240 V DC
Switching Mode	N/O or N/C Selectable
Output Type	Relay
Load Current	3 A
Response Time (Off → On)	25 ms
Response Time (On → Off)	25 ms
Switching/Operating Frequency	20 Hz

Catalogue No: **PC50CNP06RP**

PHOTO POLARIZED PLASTIC 6M AC/DC RELAY NO/NC 2M CABLE

Field Switching and Sensing > Non Contact Sensors > Photoelectric Sensors > Carlo Gavazzi Photoelectric sensors > Polarised Retroreflective > Series PC50 - Polarised Retroreflective



Indicators	Yellow LED Green LED
Connection / Termination	Built-in cable with flying leads
Number of Conductors	5 qty
Length, Cable	2 m
Material, cable jacket	PVC material
Colour, Cable Jacket	Grey colour
Operating Temperature, Min	-20 °C min
Operating Temperature, Max	60 °C max
Storage Temperature, Min	-25 °C min
Storage Temperature, Max	80 °C max
IP Rating	IP67
Shock Rating	IEC 60068-2-32
Vibration Acceleration (Max.)	7.5 m/s ²
Vibration Displacement (Peak to Peak Max.)	0.5 mm
Vibration Frequency, Operational (Max.)	150 Hz
Vibration Rating	IEC 60068-2-6

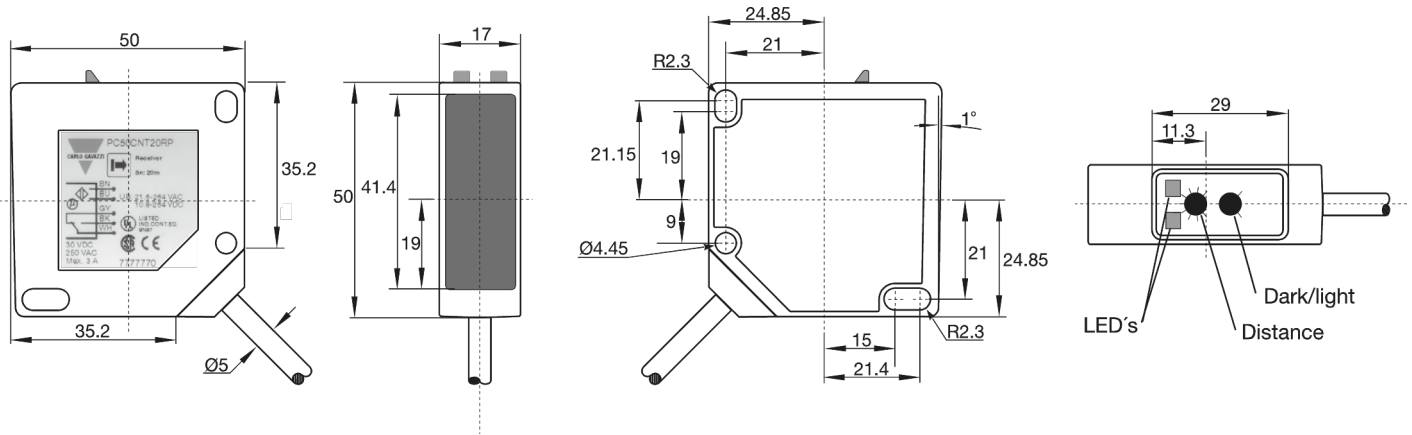
REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	PC50CNP06RP_ManufacturerDatasheet
Manufacturer Catalogue & Product Selection:	-

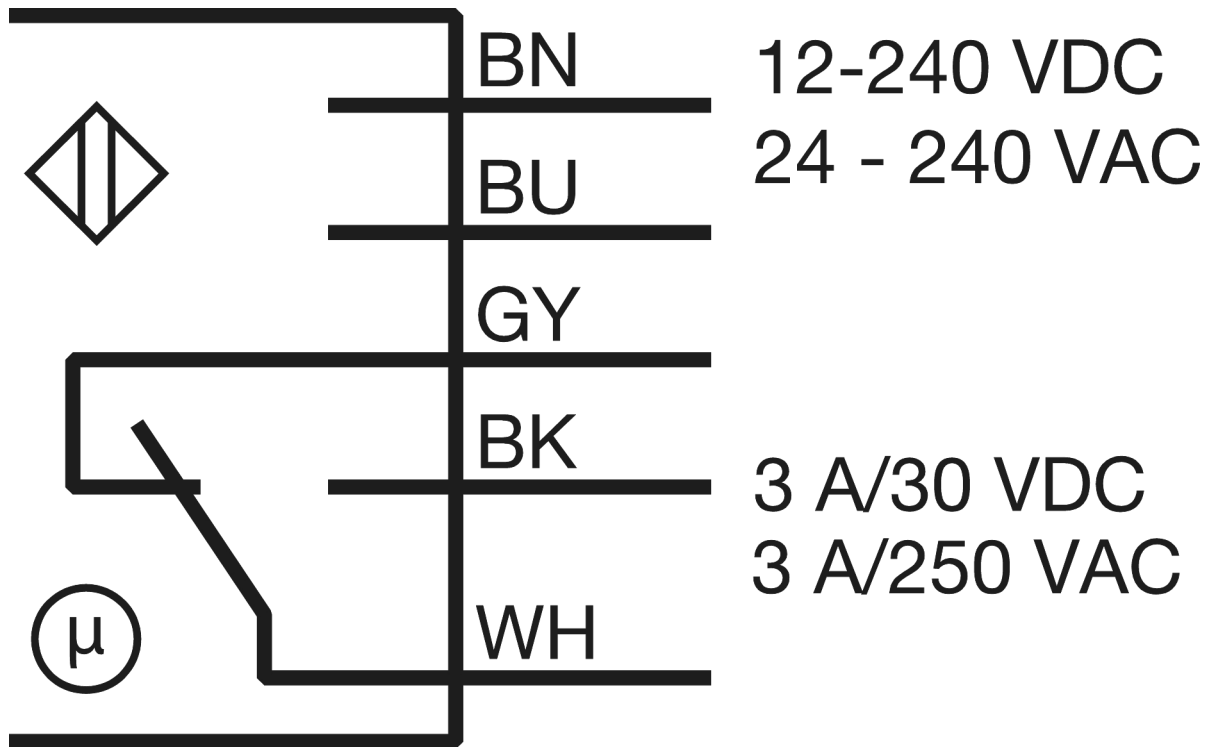
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Dimension Diagram



Connection / Wiring Diagram

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Ordering Key

PC50CNP06RP

Type

Housing style

Housing size

Housing material

Housing length

Detection principle

Sensing distance

Output type

Output configuration

Technical Diagram

