

# PD30CNB15NPM5RT

Carlo Gavazzi Photoelectric Sensor Diffuse Reflective Back  
Suppression NPN NO NC M8 Range-.15m 5m



NON-CONTACT SENSORS



|                |                                       |
|----------------|---------------------------------------|
| Component type | Light scanner with background masking |
| Range          | Photoelectric Sensor                  |
| Model          | N/A                                   |
| Alternative    | CALL FOR ALTERNATIVE                  |

The Carlo Gavazzi Photoelectric Sensors are ideal for long distance sensing or if the item is non-metal. Designed for harsh environments and for applications such as material handling, packaging machinery and automatic door systems. Fitting the requirements of virtually any application including diffuse-reflective, background suppression, retro-reflective, for transparent objects and through-beam.

## ELECTRICAL

|                                          |                             |
|------------------------------------------|-----------------------------|
| Setting procedure                        | Manual adjustment           |
| Voltage type                             | DC                          |
| Rated control supply voltage $U_s$ at DC | 18-30 V                     |
| Type of switch function                  | Change-over contact (NO/NC) |
| Type of switching output                 | NPN                         |
| Switching frequency                      | 1000 Hz                     |
| Type of electric connection              | Connector M8                |
| Max. output current                      | 100 mA                      |

## CONSTRUCTION

|                               |         |
|-------------------------------|---------|
| Material of optical surface   | Plastic |
| Material housing              | Plastic |
| Construction type housing     | Cuboid  |
| IP rating                     | IP67    |
| Suitable for safety functions | No      |

## MECHANICAL

|                    |                        |
|--------------------|------------------------|
| With time function | No                     |
| Sensing type       | Background suppression |

## PHOTOMETRIC

|                          |                        |
|--------------------------|------------------------|
| Type of light            | Laser diode, red light |
| Wavelength of the sensor | 660 nm                 |
| Max. switching distance  | 150 mm                 |

## DIMENSIONS

|                  |       |
|------------------|-------|
| Width sensor     | 10 mm |
| Height of sensor | 30 mm |

## ENVIRONMENT

|                     |             |
|---------------------|-------------|
| Ambient temperature | -25...55 °C |
|---------------------|-------------|

# PD30CNB15NPM5RT

Carlo Gavazzi Photoelectric Sensor Diffuse Reflective Back  
Suppression NPN NO NC M8 Range-.15m 5m



NON-CONTACT SENSORS



## DIMENSIONAL DIAGRAM

