# **Reflex Sensors**

with Background Suppression

# HR12PCT2

Part Number



- Easy to install
- Electronic Background Suppression
- Red Light
- Teach-In, external Teach-In, RS-232 Interface

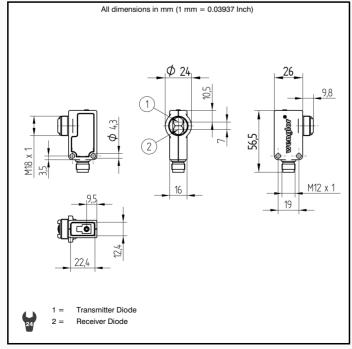


## **Technical Data**

Technical Data	
Optical Data	
Range	120 mm
Adjustable Range	35120 mm
Switching Hysteresis	< 15 %
Light Source	Red Light
Service Life (T = +25°C)	100000 h
max. Ambient Light	10000 Lux
Light Spot Diameter	see Table 1
Electrical Data	
Supply Voltage	1030 V DC
Current Consumption (Ub = 24V)	< 40 mA
Switching Frequency	600 Hz
Response Time	833 μs
Temperature Drift	< 10 %
Temperature Range	-2560 °C
Switching Output Voltage Drop	< 2.5 V
PNP Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Lockable	yes
Teach Mode	HT,VT
Mechanical Data	
Adjustment	Teach-In
Housing	Plastic
Full Encapsulation	yes
Protection Mode	IP 67
Connection	M 12x1
Protective Insulation, Rated Voltage	50 V

These sensors are particularly well suited for recognizing objects in front of any type of background. The color, shape and surface characteristics of the object have practically no influence on sensor switching performance. The sensor is easy to install with its integrated M18 threaded fixation, and can be easily protected as well.





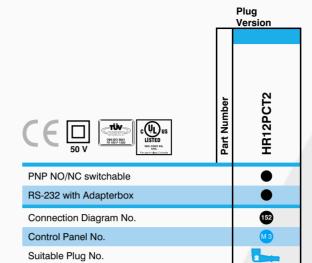
Specifications are subject to change without notice

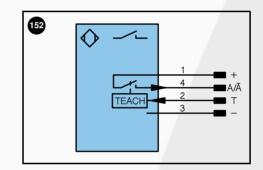
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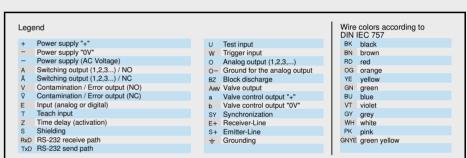


#### Table 1

Range	60 mm	120 mm
Light Spot Diameter	2,5 mm	5 mm







## Accessories

Adapterbox A232

Mounting Bracket W18

#### Ctrl.Panel



06 = Teach Button

30 = Switching Status/Contamination Warning