

PY930900

Motion and presence detectors • Laser curtain

sensor laser, Presence detector, 70x93x125mm, 10-35V DC, -30-60°C, 2x Relay contact NC/NO, Cable 10m, IP65, Plastic PC



Radar sensors are used primarily as signal transducers for controlling automatic doors and gates. They detect the movement of persons and/or industrial trucks and, at the same time, are insensitive to soiling. Objects can be detected depending on their movement direction in order to optimize the opening cycles of the gates. In doing so, it is possible to mask out people so that the sensor responds only when vehicles approach. Furthermore, it is possible to eliminate interference caused by moving objects within the detection range of the sensor. Systems that are also equipped with presence detection monitor the area in front of a gate in order to prevent the gate leaf from coming into contact with vehicles or objects.

Electrical features

Response/decay time	20ms
Number of switching outputs	2
Display	LED display
Type of switching function	Normally closed contact/normally open contact
Type of electrical connection	Cable
Type of switching output	Relay contact
Rated switching current	80mA
Setting procedure	Parameterization via remote control
Power consumption	5VA
Reaction time	80ms
Switching voltage	24V
Operating voltage (DC)	10 - 35V

Mechanical features

Number of cores	10
Width	125mm
Height	70mm
Mounting height	10000mm
Cable length	10m
Length	93mm
Mounting method	Surface mounted (plaster)
Inclination angle	-3 - 3°
Optimum mounting height	10m
Degree of protection (IP)	IP65
Housing material	Plastic PC
Ambient temperature	-30 - 60°C

Optical features

Detection angle horizontal	-3 - 3°
Light source	Laser diode, red light
Wavelength of the sensor	905nm
Detection range, presence	9900 x 9900mm

Other features

Version	Presence detector
Ambient temperature	-30 - 60°C

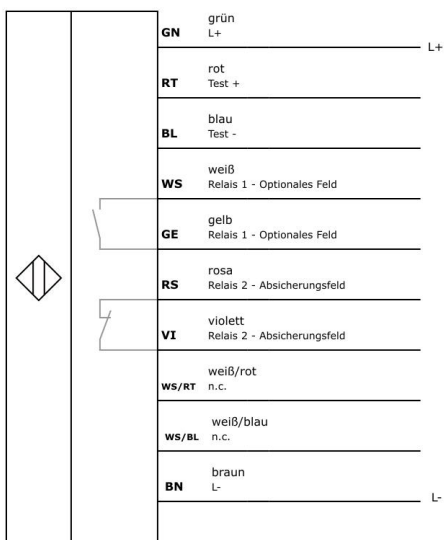
Classification

ETIM 8	EC000138 Motion detector sensor
eClass 7.0	27144008
eClass 7.1	27144008
eClass 8.0	27144008
eClass 9.0	27144008
eClass 9.1	27144008

More

IPF Product Group	260 motion and presence detectors
packaging dimensions	225 x 200 x 110 mm
gross weight	1060 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Installation



Mounting / installation may only be carried out by a qualified electrician!

Disposal



Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

For suitable connection and mounting accessories, please refer to our website www.ipf-electronic.com.

Dimensional drawing

