

RT400521

RADAR SENSORS • RADAR SENSORS

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.



MECHANICAL DATA

Ambient temperature	-20 °C ... 60 °C
Housing material	Zinc die-cast
Sensor height	41 mm
Sensor length	75 mm
Sensor width	40 mm
Suitable for degree of protection (IP)	IP67
Version	Movement sensor

ELECTRICAL DATA

Holding time	30 s
Holding time	0.1 s
Max. output current	200 mA
Min. speed	0.1 m/s
No-load current	35 mA
Number of pins	4
Number of switching outputs	2
Operating voltage	10 V ... 35 V
Sensing range	500 mm ... 6000 mm
Setting procedure	Manual adjustment
Switching frequency	2 Hz
Transmitting frequency	24.12 GHz
Transmitting power, radar	5 mW/cm ²
Turn-off delay	Yes
Type of electrical connection	Connector M12
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP/NPN
Voltage drop	2 V
Voltage type	DC
With LED display	Yes

DIMENSIONAL DRAWING**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!