

Motion detector RS 05-K



Description

The radar-based sensor is mainly used for motion detection for approaching objects. The detection distance is between 0.5...5,0 m.

Areas of applications

- Access control systems
- Door control
- Person and objects control
- Motion control

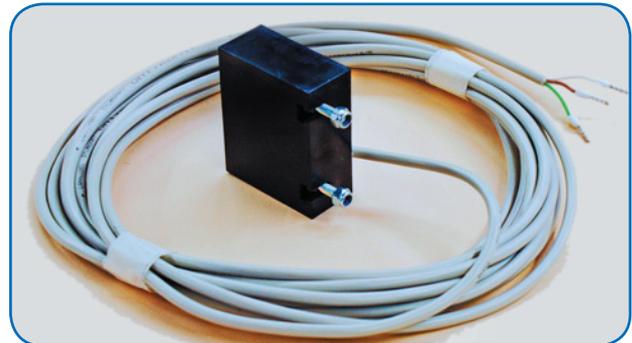
Features

- easy fitting
- maintenance-free
- hidden installation possible
- low power consumption

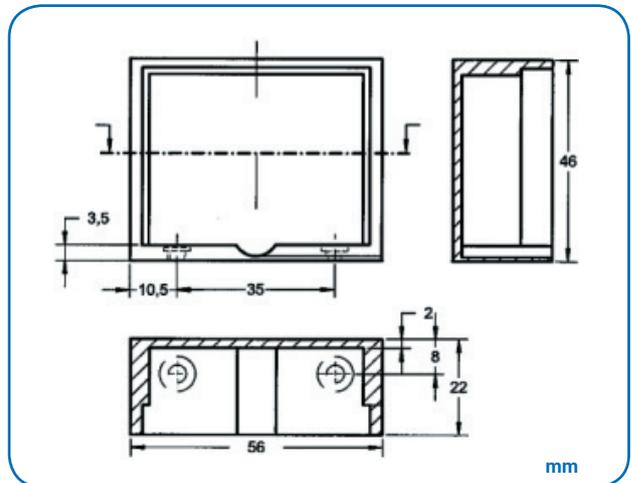
Applicable standards

ETSI EN300440-1 V1.3.1 (2001-09)
 ETSI EN300440-2 V1.1.1 (2001-09)
 VDE 0848(08/2000) Part1
 VDE 0848(01/1991) Part2

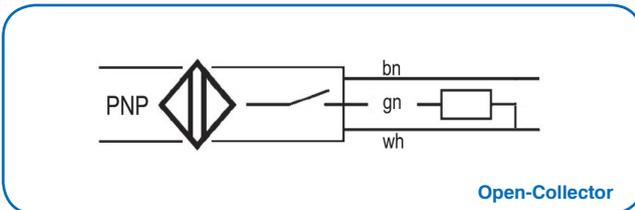
ICNIRP Guidelines (04/1998)
 EN50 081-1
 EN50 082-1



Dimensions



Wiring diagramm



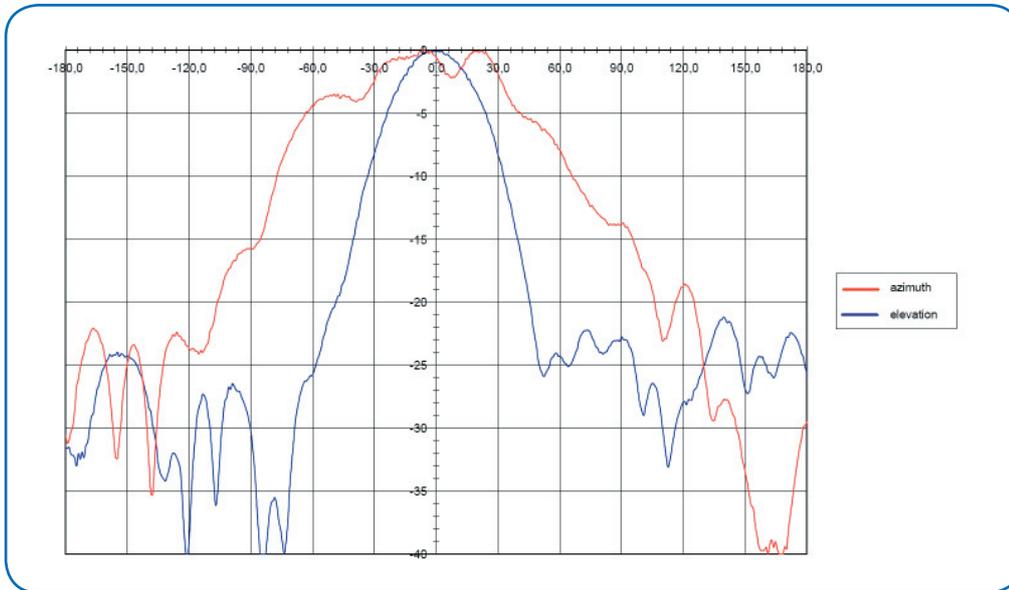
Technical data (at +20°C, 24 VDC)

Type	Motion detector RS 05-K
Functional principle	dynamic to the sensor
Detection range	0.5...5 m
Radiation angle horizontal	70°
Radiation angle vertical	36°
Switch output	Open collector PNP-NO, 10kΩ pulldown resistance
Supply voltage U _b	19...28 VDC
Max. load current I _e	≤ 50 mA
Power consumption	< 1 W
Radiation power	100 mW EIRP
Radiation frequency	24 GHz
Response speed	< 0,1 m/s
Temperature range T _a	-20 °C...+60 °C
Protection class	IP 67
Housing material	PC black
Connection type	Cable 1m, 3x0,25 mm ²

Safety instruction:

Only properly qualified personnel is authorized to install these devices and connect them to the power supply. Applications where personal safety depends on the function of the devices are not authorized by the manufacturer!

Radiation pattern



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