

# DualSense D

PART NO. 461072 / 461073 / 461074

 DATASHEET  
9105 C EN

Sensor for activation and safety of automatic sliding doors in acc. with EN 16005 including emergency exits

## Mechanical data

Housing material	ABS / PA
Housing colors	black, white, silver
Dimensions (L × W × D)	252 × 61 × 51 mm
Weight	250 g

## Technological data

Technology	active infrared (AIR), radar
Field and spot dimensions on the ground	see below for specification at mounting height 2.20 m
AIR field dimensions	max. 2.00 × 0.20 m
AIR spot dimensions	30 × 30 mm
Number of AIR spots	2 rows of 12 spots
Performance level AIR	PLd, Cat. 2 (EN ISO 13849-1)
Dimensions of wide radar field	max. 4.00 × 2.00 m, min. 1.90 × 1.00 m
Dimensions of narrow radar field	max. 2.00 × 4.00 m, min. 1.00 × 4.00 m
Radar transmission frequency	24.2 GHz
Radar transmission power	< 13 dBm
Performance level radar	PLd, Cat. 2 (EN ISO 13849-1) applicable for radar output in frequency mode and voltage output

## Electrical data

Supply voltage	11.5...32 V DC
Current consumption	max. 120 mA @ 24 V
Inrush current	max. 240 mA
Test input	automatic detection
Response time to test signal	< 10 ms
Test input high level	5...32 V DC, max. 4 mA
AIR output	solid state relay, max. 34 V DC / 24 V AC, max. 40 mA
Radar output	solid state relay, max. 34 V DC / 24 V AC, max. 40 mA
Radar frequency output	pulsed signal 100 Hz +/- 10 %
Radar voltage output	open circuit voltage 4.5 V, min. 3.3 V @ 10 mA (typical load with 3 optocouplers in series)
Connection type (standard)	3 m cable with plug connector

## Ambient conditions

Mounting height	min. 1.8 m, EN 16005 up to 3.0 m, max. 4.0 m
Operating temperature	min. -20 °C, max. +60 °C
Ingress protection	IP54 (EN 60529)
Air humidity	max. 95 % relative, non-condensing

## Compliance

Conform to all applicable EU legislation MD 2006/42/EC, RED 2014/53/EU, RoHS 2011/65/EU

For further details see manual/brochure



Sensor in housing, black (part no. 461072)



Sensor in housing, white (part no. 461073)



Sensor in housing, silver (part no. 461074)



Sensor, housing cover removed

## Box contents

Sensor with housing, mounting material, drilling template, control cable, DoC document, manual