

SolidSense

DATASHEET
 00009691 A EN

Sensor system for safeguarding automatic swing doors in accordance with EN 16005 and DIN 18650

Mechanical Data

Housing and window material	PC (polycarbonate)
Housing color	black, silver, white
Dimensions (H × W × D)	61 × 255 × 39 mm
Weight	approx. 280 g (per module)
Degree of protection	IP65

Technological Data

Sensor technology	solid state scanner with time-of-flight technology
Infrared wave length	850 nm
Mounting height H at door width W 800 – 1800 mm	H 1500 – 2500 mm
at door width W 800 – 1600 mm	H 1500 – 3000 mm
Performance level	Cat. 2, PL d (SIL 2)

Elektrical Data

Supply voltage	24 V DC ±20 %
Supply current	max. 200 mA (per module)
Power consumption	4.8 W (per module)
Test input	high level 15 – 30 V DC low level ≤ 2 V DC
Response time	≤ 50 ms at mounting height ≤ 2500 mm ≤ 80 ms at mounting height > 2500 mm
Output	solid state relays, NO, max. 30 V DC, max. 60 mA
Connection	2.5 m cable, 8-pole, with plug connector

Ambient conditions

Ambient temperature	min. –30 °C, max. +60 °C
Relative humidity	25 % – 95 %, non-condensing

Compliance

Conform to all applicable EU legislation	DIN 18650, EN 16005, EN 12978, ISO 13849-1, EN 61508 Teil 1–4
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For further details see manual/brochure



SolidSense (housing color: silver)

Scope of delivery

Sensor system incl. 2 sensors for the hinge side and the hinge opposite side, cables to connect sensors to each other and to door control, corrugated tube with wall bracket, mounting material, drilling template, instructions, DoC