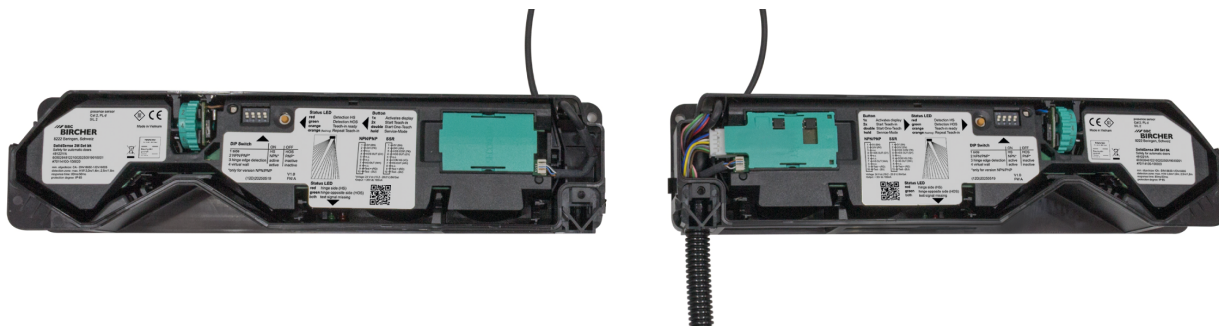


SolidSense

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



Technology	Solid-state scanner with time-of-flight technology
Infrared light wavelength	850 nm
Mounting height H for door width 800 – 1800 mm	1500 – 2500 mm
Mounting height H for door width 800 – 1600 mm	1500 – 3000 mm
Top edge of detection area	H – 0.35 m
Bottom edge of detection area	min. 0.34 m (at H = 2.00 m) max. 0.65 m (at H = 3.00 m)
Performance level	PL d (cat. 2)
Compliance	DIN 18650, EN 16005, EN 12978, ISO 13849-1, EN 61508 Part 1 – 4

Electrical data

Operating voltage	24 V DC $\pm 20\%$
Operating 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 (with mounting height H)	≤ 50 ms if $H \leq 2500$ mm ≤ 80 ms if $H > 2500$ mm
Output	Solid-state relay, NC max. 30 V DC, max. 60 mA
Connection type (standard)	2.5 m cable, 8-pin, plug connector on the device side

Mechanical data

Housing and light output material	PC (polycarbonate)
Housing color	black, silver, white
Dimensions (H $\times$ W $\times$ D)	61 $\times$ 255 $\times$ 39 mm
Weight (set)	approx. 280 g per module
Protection class	IP65

Ambient conditions

Ambient temperature	min. -30°C , max. $+60^\circ\text{C}$
Relative humidity	max. 95 %, non-condensing

Notice on conformity

CE	MD 2006/42/EC	RED 2014/53/EU
	RoHS 2011/65/EU	

Technical documentation



You will find all documents on the manufacturer website
www.bircher.com

If you have any questions about the device, please contact us:

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