

SMART FOCUS

SENSOR TO OPEN OR MAKE
ALL TYPES OF AUTOMATIC
DOOR SAFE

Commercial sheet



WHEN ACCURACY IS IMPORTANT,...

DESCRIPTION

The **SMART FOCUS** is an active infrared sensor operating with background suppression (triangulation). The **SMART FOCUS** sends a narrow infrared beam (35 x 70 mm at a height of 2,20 m).

The **SMART FOCUS** is suitable for all applications where accurate and narrow detection fields are required. It either opens, protects or monitors.

IN PRACTICE

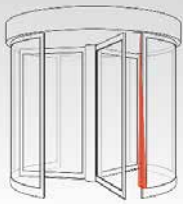
- The **SMART FOCUS** provides safety in the following applications:
 - Sliding door during the opening cycle (risk of crushing).
 - Curved sliding or swing door during the closing cycle (risk of pinching or crushing).
 - It safeguards the potential impact point or "pinch zone" of revolving doors (on unmonitored doors)*.
- The **SMART FOCUS**, as an alternative to pushbuttons, opens an automatic door when:
 - You need a very small detection field (restaurant kitchens, internal train doors, etc.).
- A single **SMART FOCUS** or several in unison will provide safety in revolving air locks.
- The **SMART FOCUS** works vertically (with background) as well as horizontally (if necessary, without background).

RELIABILITY

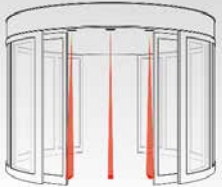
- The main feature of the **SMART FOCUS** is its ability to track changes in its background and environment.
- The **SMART FOCUS**'s ability to adapt itself to variations in the background and ambient temperature ensures a greater reliability in all situations.

PERFECT FOR ALL DOORS!

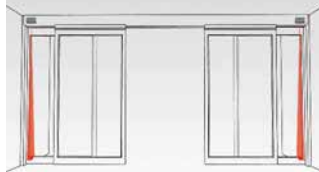
* Not in conformity with DIN 18650.

**Revolving doors**

Safety at the pinching zone

**Curved sliding doors**

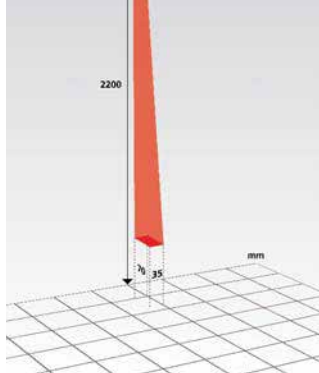
Safety during the closing cycle

**Sliding doors**

Safety during the opening cycle

**Swinging doors**

Safety during the closing cycle

**Restaurant door**

35 x 70 mm (h=2,2 m)

INSTALLATION & ADJUSTMENT

- **PUSH & GO**: for the most common applications and installation heights, a single press on the control button is enough. The sensing area is adjusted automatically.
- **MANUAL MODE**: for special applications (greater height, reflective floors, horizontal applications, etc.), a "manual mode" using an adjusting screw and dip-switch enables precise adjustments of the sensing area.

ACCESSORIES



Spotfinder

Kit 1SAFE SMA
[for surface mounting]Kit 1SAFE BA
[for mounting bracket]

TECHNICAL SPECIFICATIONS

Technology	Active infrared
Detection mode	Presence detection by distance measurement
Detection field	35 mm x 70 mm (at 2,2 m mounting height)
Tilt angle	-4° to +4°
Response time	32 ms - 64 ms (depending on detection speed setting)
Installation height	1,6 m - 3 m (automatic mode) 0,6 m - 3 m (manual mode)
Power supply	12 V - 24 V AC/DC -5% / +10%
Network frequency	50 - 60 Hz
Max. consumption	120 mA @ 24 V AC / 80 mA @ 24 V DC
Standard output	Relay (free of potential contact)
Max. voltage on the contacts	42 V AC/DC
Max. current on the contacts	1 A (resistive)
Max. breaking capacity	30 W (DC) / 60 VA (AC)
Monitoring input	1 optocoupler (free of potential)
Max. contact voltage	30V
Voltage threshold	High state > 10 V; low state < 1 V
Holdtime output	0,5 s
Reflective power	Min. 10% long wave infrared of 850 nm
Temperature range	-25°C / +55°C; 0-95% relative humidity
Degree of protection	IP53
Dimensions	
With bracket	144 mm (L) x 52 mm (H) x 43 mm (D)
Without bracket	110 mm (L) x 50 mm (H) x 30 mm (D)
Material of the section	ABS (black)
Length of the main cable	2,5 m
Conformity with standards	Electromagnetic compatibility (EMC) according to 2004/108/EEC

Specifications are subject to change without prior notice.

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