

## SAFETY BEAM SENSOR

### DESCRIPTION

The ML29 Safety Light Curtain offers fast and reliable detection up to 8,5 m, with simple installation using adhesive strips or screws. The wide beam angle makes alignment easy and allows for multi-beam configuration for enhanced protection.

\*BirSens brand product integrated into the ORION solution



### KEY FEATURES

Single-beam monitoring with an extremely narrow sensor

Easy installation (Plug&Play)

Ideal for installation on door frames or profiles

"Dark on" version (activates when the beam is interrupted)

### PHYSICAL AND MECHANICAL CHARACTERISTICS

Code	82440205001
Dimensions (mm)	85,2x11,6x9,2
Weight (g)	12
Degree of Protection	IP65
Cable Length (m)	6
Light Source	Infrared

### ELECTRICAL SPECIFICATIONS

Theshold Detection Range (m)	8,5	
Operating Voltage	11 - 30V DC	
No-load Supply Current	Emitter	≤ 25 mA
	Receiver	≤ 10 mA
Transmitter Disable Signal Input	+UB ≤ 5V	
Signal Output	Short-circuit protected, reverse polarity protected	
Maximum Switching Voltage	30V DC	
Maximum Switching Current	0,1A	
Switching Frequency	100 Hz	
Response Time	5 ms	



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### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-20 - 60 °C
Storage Temperature	-20 - 75°C
Relative Humidity	90%, non-condensing

Product developed and manufactured by BirSens.

barpa provides this solution as an integral part of the ORION solution, ensuring system integration and customer support.