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SAFETY RADAR S203A

Radar Sensor S203A-W, S203A-WL

S203A-W
S203A-W radar sensor, 5m, 12°, Advanced FOV, 2m/s



- Can work in dust, steam, smoke and when splashed with water
- 0.5m-9m safety zone
- 10°-100° Horizontal field of view
- Vertical spread 12°
- SIL 2, PLd

PRODUCT DESCRIPTION

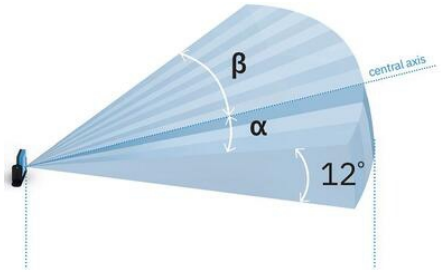
The Inxpect S203A-W is a third-generation safety radar sensor designed for high-precision applications that demand focused detection and advanced safety features. With a reduced vertical spread of just 12°, it offers more controlled coverage, making it ideal for complex and mobile environments where targeted protection is essential. When paired with the C201A control unit, the system supports up to 32 dynamically selectable detection fields and four alarm areas, allowing for highly customisable safety zones tailored to the specific needs of the application.
Like other sensors in the Inxpect range, the S203A-W performs advanced motion and scenario analysis, communicates motion detection signals via CAN bus, and includes the Static Object Detection (ST.O.D) feature. ST.O.D enhances safety by preventing machine restarts if static obstacles are detected in the monitored area. Compact, precise, and intelligent, the S203A-W is ideal for industries where safety, space constraints, and adaptability go hand in hand.

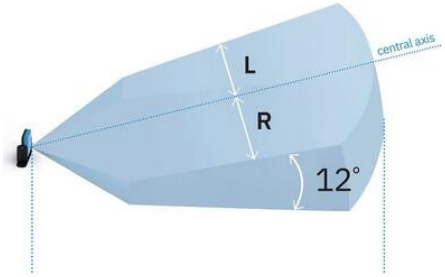
TECHNICAL DATA

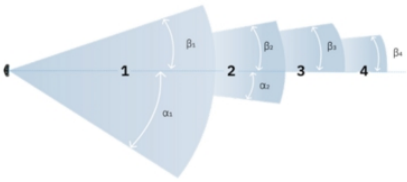
Connection	2xM12 5-pin connector
Data	CAN buss
Detection method	Millimeter vågor, V-band: 60 GHz
IP class	IP67
Life span	20 år
Material of body	Polyamide, Aluminium
PL	d
Power consumption	12 W
Scanning angle	100 °
Security field max	5 m
SIL	2
Temperature range fixed use from	-30 °C


INXPECT




β
central axis
α
12°


L
central axis
R
12°


β1
β2
β3
β4
1
2
3
4
α2
α1


85 mm
(3.34 in)
147 mm
(5.78 in)
108 mm
(4.26 in)
158 mm (6.22 in)
70 mm
(2.75 in)
130 mm (5.12 in)


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