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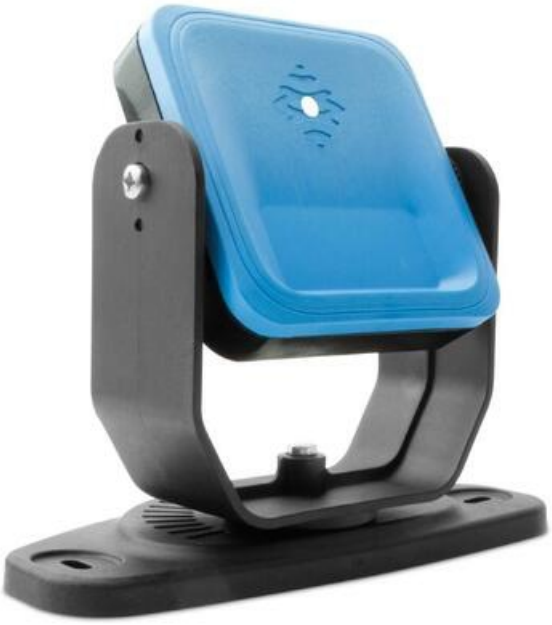
SAFETY RADAR S201A

Radar Sensor S201A (MLR)

S201A-W
S201A-W Radar sensor, 5m, 20°, advanced FOV, 2m/s



- Can work in dust, steam, smoke and when splashed with water
- 0.5m-9m safety zone
- Field of view adjustable from 10°-100°
- -30°C to +60 °C
- SIL 2, PId

PRODUCT DESCRIPTION

The Inxpect S201A (MLR) is a cutting-edge, second-generation safety radar sensor designed for dynamic and complex industrial applications, including mobile scenarios. Paired with the C201A control unit, the system supports up to 32 dynamically selectable fields of vision and four alarm areas, offering highly customisable safety coverage. Depending on the model, users can configure symmetrical, asymmetrical, or corridor-shaped detection fields, making the S201A ideal for environments with irregular layouts or variable operating conditions. Its adaptability and robustness make it especially suited for challenging environments where optical systems may struggle.
Equipped with intelligent functions, the S201A performs motion and scenario analysis, communicates motion detection signals via CAN bus, and includes a powerful static object detection (ST.O.D) feature. ST.O.D enhances safety by preventing machine restart when static obstacles are detected in the monitored area, an essential function for restart prevention. Designed for flexibility and reliability, the S201A meets the needs of modern industrial automation, offering superior protection without compromising on performance or configurability.

TECHNICAL DATA

Connection	2xM12 5-pin connector
Data	CANbus
Detection method	Radar
IP class	IP67
Life span	20 years
Manufacturer part no.	90302111
Material of body	Glass fibre polyester, Aluminium
MTTFd	42 years
PL	d
Power consumption	1.2 W
Scanning angle	100 °

Security Field	5
SIL	2
Supply voltage	24 V
Temperature range fixed use from	-30 °C