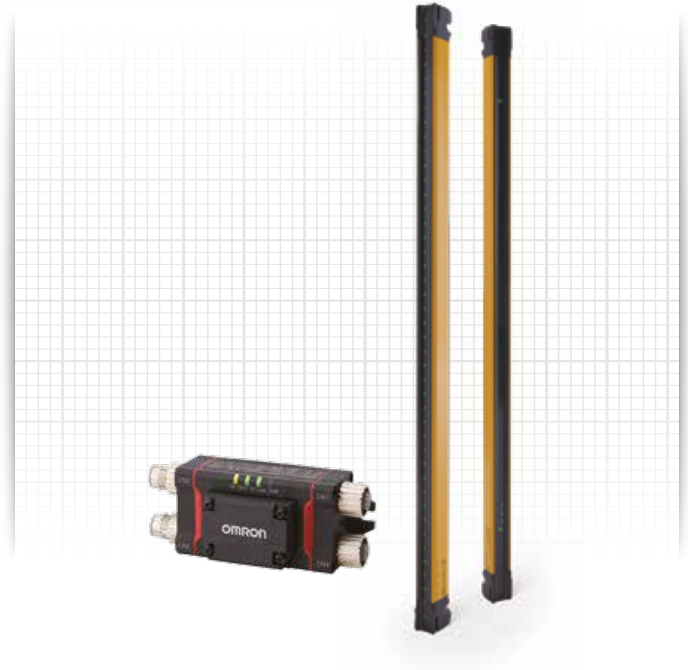


Safety Light Curtain series F3SG-SR

Redefines safety at manufacturing sites

5 Things to never forget:

- 1 Very flexible product range: adaptable for a wide variety of applications and protective heights.
- 2 High resistance: ready to be used in harsh environments and extreme temperatures.
- 3 Easy and quick replacement: just copy from old and restore to new one, then plug and work.
- 4 Predictive maintenance by remote monitoring: Preventing unplanned stoppages and shortening downtime.
- 5 Protection without dead space: detects an operator's hand anywhere on the safety area.



Features and benefits

- Broadest product Line Up: One series including all applications (finger, hand, arm/leg, body and perimeter*) and High variety of protective heights High variety of protective heights to completely fit the protected area required (finger protection model with increments of 40 mm).
- Improved robustness: Tightly sealed structure with Oil resistance (IP67G), Operating temp. down to -30°C (85% humidity) and Washable model (IP69K).
- Easy configuration and monitoring: Plug and work for quick replacement thanks to the copy and restore settings function and Remote monitoring via IO link and Bluetooth communication.
- Fast installation and maintenance: Area Beam Indicator (ABI): facilitates the fine adjustment of beams for long-distance sensing and Operating Status labelled LEDs: helps to determine the optimal replacement timing and possible errors (predictive maintenance).
- Protection without dead space: Hand protection model detects a hand anywhere on the safety area even with series-connected or U-shape connected.
- Wiring cost and time reduction: A wide variety of accessories to simplify wiring, reduce installation work and save space on the control panel.
- Built-in safety functions: Pre-reset, Reduced Resolution, Manually loaded machining, Fixed blanking, Floating blanking, Muting/Override, Warning zone, Interlock/ External device monitoring, Teach-in input, External test input, Response time adjustment and Operating range selection

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Important to find out

- Is the safety light curtain completely fitting with the protected area required of your machine? Do you need to use additional measures to cover the dead space?
- Do you have corrosion of the equipment due to the cutting oil ? Do you need to use the machine in very low temperatures (e.g. outdoor applications)? Do you need high-level of sanitation control where it is needed to clean the equipment with high temperature and pressure water jet?
- How often you have to re-adjust or replace the safety light curtains due to machine vibration or accidental shocks? Would you like to reduce the downtime due to that?
- Would you like to analyze the use of the machine in the factory and the cause of machine defects to improve their design? (for Machine Builders) Do you plan to implement predictive maintenance in your factory? (for End Users)
- How do you deal with dead space when using the safety light curtains connected in series-or U-shape?

Markets and applications

- Automotive industry: Main applications in Welding robots, Paint shop or Final assembly line. Most adapted features: Tightly sealed structure improves the resistance of liquid penetration inside the enclosure; Oil resistance (IP67G) to prevent cutting oil from penetrating joint surfaces and Optional spatter fixation cover for welding sparks
- Food & commodity industry: Main applications in Continuous handling equipment, Filling and capping line, Automatic palletizing machines. Most adapted features: Operating temp. down to -30°C up to 85% humidity and Washable model (IP69K) resistant to high pressure water jet

Sales considerations

The configuration tool (SD manager) allows to easily monitor status and make set tings without using a safety controller. It includes many Built-in safety functions like: Pre-reset, Reduced Resolution, Manually loaded machining, Fixed blanking, Floating blanking, Muting/Override, Warning zone, Interlock/ External device monitoring, Teach-in input, External test input, Response time adjustment and Operating range selection

Competitors

- | | | |
|-------------|--------|---------|
| • Sick | deTec | C4000 |
| • Leuze | MLC500 | MLC300 |
| • Datalogic | SG | |
| • ReeR | EOS | ADMIRAL |