



SMART  
**SENSOR**  
BUSINESS

# MLC 530 SPG

Safety-light curtains  
with Smart Process Gating –  
Efficient access guarding  
without muting sensors

*easy*handling.



# ACCESS GUARDING REDEFINED

Smart Process Gating saves valuable space and provides high security against tampering

Innovative Smart Process Gating (SPG) uses a control signal provided by the PLC and the interruption of the protective field as a trigger for bridging to the material transport. Additional sensors are not necessary. Two operating modes allow the adaptation to conveyor lines with speeds of up to 0.2 m/s or up to 0.6 m/s as they, for example, are applied in the automotive industry or in intralogistics. Further individual adaptations are also supported.

- Efficient access guarding without muting sensors
- Allows a very compact construction, saves valuable space
- High security against tampering
- High availability
- No alignment of the sensors necessary when changing the transport material



| Technical data   | MLC 530 SPG                                 |
|--|---|
| Type in accordance with EN IEC 61496                   | Type 4                                      |
| Performance Level in accordance with EN IEC 13849-1    | PL e  |
| Safety Integrity Level in accordance with EN IEC 61508 | SIL 3                                       |
| Resolution [mm]  | 30, 40, 90                                  |
| Protective field length [mm]                           | 150 – 3000                                  |
| Operating range  | up to 10 m / up to 20 m                     |
| Response time  | 100 ms                                      |
| Degree of protection                                   | IP 65                                       |
| Ambient temperature, operation                         | -30 ... +60°C                               |
| Profile cross section                                  | 29 x 35.4 mm                                |
| Connection type  | M12, 5-pin (transmitter) / 8-pin (receiver) |

Smart Process Gating in a production line



Smart Process Gating on a conveyor line

