



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. A reference beam remains active for monitoring. 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

