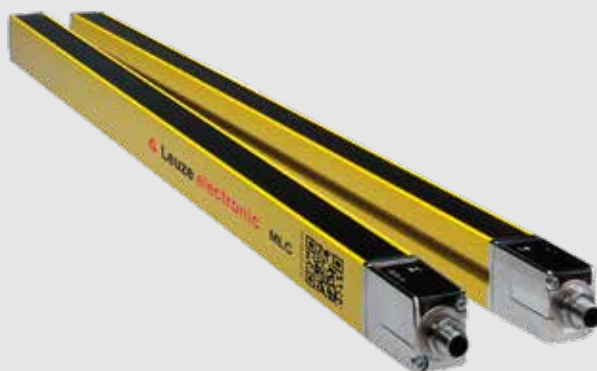


## MLC 530 SPG

### Safety light curtains with Smart Process Gating

#### Safety at Leuze



The MLC 530 SPG safety light curtains with Smart Process Gating offer a space-saving alternative for access guarding on conveyor lines. With this innovative technology, process control takes place in combination with the system control. Smart Process Gating requires no muting sensors and operates exceptionally reliably.

#### Areas of application

- Access guarding on conveyor lines, with gating function for bridging to allow material transport

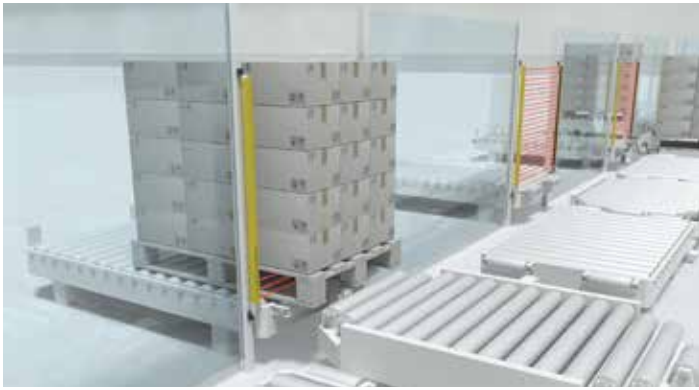
#### Advantages for you at a glance

- No trigger sensors required
- Space-saving system design
- Reliable operation and high availability
- Optimum protection against manipulation
- Low installation effort

<b>Properties</b>	Operating modes for standard applications in intralogistics and for applications with low conveyor speeds in automotive engineering
	Gating end: automatically or by resetting the control signal
	Partial gating: the upper beams of the device are permanently active and can perform a second safety function
	Configuration of the devices by means of pin assignment for easy commissioning
Blanking of stationary objects in the protective field	

<b>Technical data</b>	Necessary control / achievable performance level	Standard PLC / PL d Safety PLC / PL e
	Protective field lengths	150 mm to 3.000 mm
	Resolutions	30 mm, 40 mm, 90 mm
	Operating range	10 m, 20 m
	Profile cross section	29 × 35 mm
	Temperature range	-30 °C ... 55 °C

## Space-saving – reliable – optimally protected

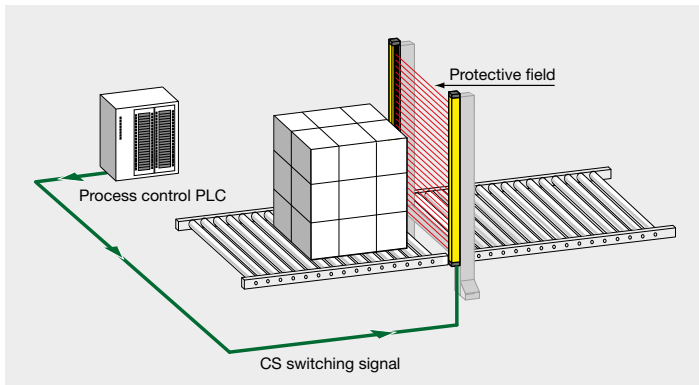


Space saving: Smart Process Gating does not require any additional trigger sensors for bridging of the protective function, thereby allowing a particularly compact system design.

Reliable: Smart Process Gating ensures the reliable passage of transported goods through the system, even with incomplete or changing loads.

Optimum protection: The gating process starts only in combination with the system control and cannot be bypassed by the operating personnel

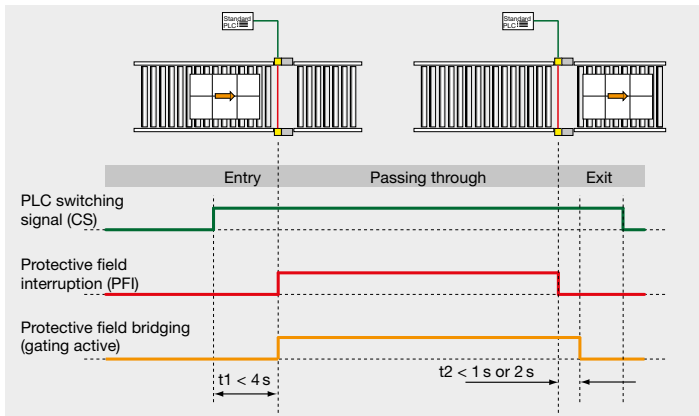
## No trigger sensors required



With Smart Process Gating, process control takes place in combination with the system control. A switching signal provided by the PLC and interruption of the protective field by the transported goods are used as triggers for activation of the gating function.

No additional trigger sensors are required.

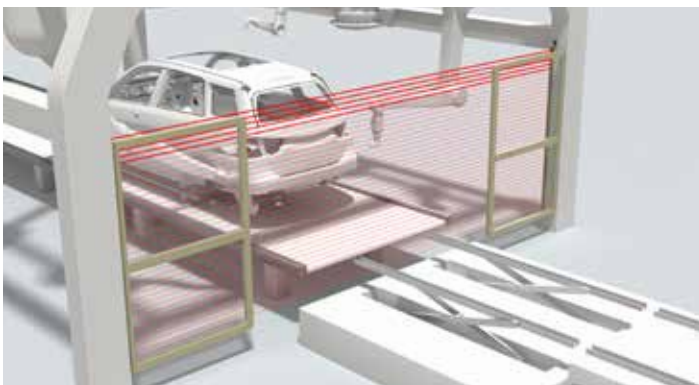
## Operating principle and signal response



The gating function (bridging of the protective field) is activated by the correct sequence of switching signal and protective field violation and monitored by the light curtain.

The gating ends either automatically after the transported goods pass through or – in the case of higher conveyor line speeds – by resetting the switching signal.

## Two safety functions combined



In 'Partial Gating' mode, the upper beams of the light curtain remain active during gating and can therefore be used to simultaneously monitor a second safety function.

The example shows parallel monitoring of the pendulum flaps by the safety light curtain. The safety light curtain continues to monitor the closed state of the flaps during gating. The otherwise usual safety switches for monitoring the flaps are no longer required.