

ELC 100 Safety light curtains

Safety at Leuze



The ELC 100 safety light curtains focus on the essentials when it comes to safeguarding points of operation. For applications with an operating range of up to six meters, the robust devices are perfect for cost-effective machine designs. And they are very easy to integrate and install.

Areas of application

- Guarding of points of operation
- Access guarding with short safety distances
- Use on machinery subject to shocks and vibrations

Advantages for you at a glance

- Reliable safety technology of proven quality at an attractive price
- Flexible integration into the machine design with little effort
- The simple mechanical and electrical design enables quick installation of the devices. No configuration is required
- The multi-level alignment display enables quick and optimal alignment of the devices. No prior knowledge required
- The housings are made of metal throughout to ensure reliable operation. Their unique design also makes the ELC100s extremely shock and vibration proof

Features	Eight-level alignment display for quick and optimal alignment of the devices	
	Bright status LEDs	
	Flexible cable routing in all directions	
	Fastening grooves on both sides of the devices	
Specifications	Safety	Type 4, SIL 3, PL e
	Protective field length	300 ... 1500 mm, in 300 mm grid
	Resolution / operating range	17 mm / 3m, 30 mm / 6 m
	Response time	4,7 ... 21 ms
	Connection	150 mm cable with M12 connector, 4-pin
	Degree of protection	IP 65
	Temperature range	0 ... +55°

Quick and optimal alignment



The multi-level alignment display makes commissioning the devices especially easy. Even rough alignments are reliably displayed. Thanks to the well-visible, bright LEDs, the alignment result can be monitored right from the transmitter. The optimal setup is thus quickly achieved. This saves time and money during commissioning and offers reserves in operation.

Simple and flexible integration



The ELC100s are easily and flexibly integrated into the machine design. The specially designed housing enables flexible cable routing in all directions. The cable is always optimally routed into the interior of the machine and protected at the same time. The protective field extends in both directions to the edge of the housing. This allows the units to be mounted flush against boundaries without creating blind zones. No additional safeguarding measures are required.

Fast installation



The swivel function of the robust mounting brackets facilitate the quick alignment of the devices. These are mounted right in the grooves provided on both sides of the ELC 100. If no alignment is necessary, such as for applications with short operating ranges, the sliding blocks included in the scope of delivery are used, which reduces costs even further.

Robust in operation



The robust housings are made of metal throughout and protect the front screens with their tall side walls. Intelligent beam evaluation with object tracking ensures that the devices work reliably even in tough conditions with chips or sparks, which prevents unnecessary shutdowns.

Their unique design also makes the ELC100s extremely shock and vibration proof. This also makes the devices suitable for use on machines that are subject to strong accelerations or vibrations, such as presses.