

Ambient conditions and environmental conditions

Ambient conditions: Which ambient conditions prevail at the operating site of the safety light curtain? Are special safety light curtain properties required?



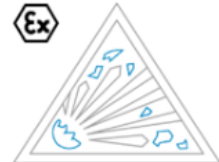
- Normal industrial environment
 - IP65, IP67
 - -30 °C ... +55 °C



- Areas where coolants, lubricants and cleaning agents are used
 - IP65, IP67
 - -30 °C ... +55 °C
 - Front screen made of hardened glass



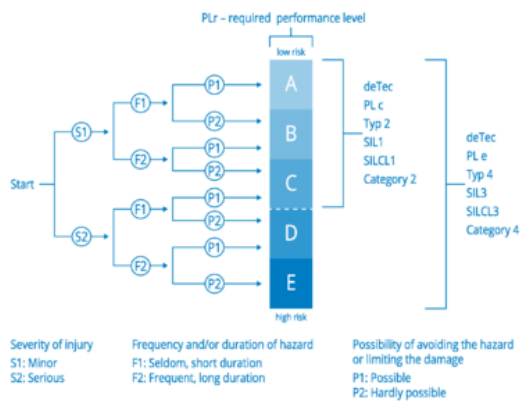
- Areas with high pressure cleaning (hygiene, food)
 - IP65, IP66, IP67, IP69K
 - -30 °C ... +55 °C
 - Special certifications: Ecolab, Diversey



- Explosive areas
 - IP65, IP67
 - -20 °C ... +55 °C or 0 °C ... +55 °C
 - Special certifications: IECEx, INMETRO, CNEX, ATEX

Application

Performance level: Please select the required performance level (PLr) according to ISO 13849-1 and your risk assessment.

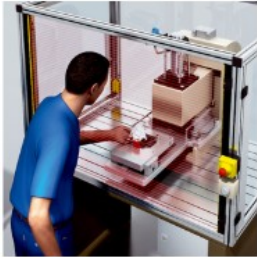


Required performance level (PLr) according to ISO 13849-1: This standard uses a risk graph to determine the required performance level. The parameters S, F and P are used to determine the magnitude of the risk. The result of the procedure is a "required performance level" (PLr).

- PL c
 - Type 2
 - SIL1
 - SILCL1
 - Category 2
- PL e
 - Type 4
 - SIL3
 - SILCL3
 - Category 4

Cascading: Do you need a cascade of safety light curtains to protect from reaching over, reaching under or standing behind the primary safety light curtain?

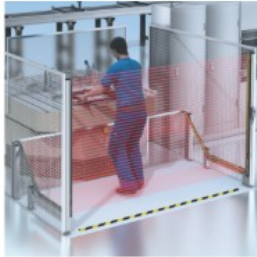
You can use cascading to connect up to 3 safety light curtain systems consisting of senders and receivers, e.g. to provide reliable presence detection.



● Single system (standalone)



● Cascade with one guest system (host and guest)



● Cascade with two guest systems (host, guest1 and guest2)