

Press release

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Wieland's safety light curtains provide access control for enhanced safety

SLC Series safety light curtains from Wieland Electric have been designed to protect operators from dangerous areas or as access control against unauthorised trespassing. Featuring slim, rigid housings that enable easy adjustment and stable operation, with integrated double-scan technology that avoids unwanted downtime in even the harshest operating conditions, the robust and reliable SLC Series safety light curtains provides effective and economical optoelectronic protection customisable to nearly any machine application.

When using multiple systems, mutual interference is avoided by using the adjustable range reduction feature, whilst the integrated double scan technology eliminates the risk of unnecessary shutdown even in harsh environments. Planning of safeguards is simplified and there is less type diversity because every SLC from 0 m to the maximum range can be utilised. Setting of parameters is done without PC or DIP switch and is carried out through simple wiring in the control cabinet. The 3-zone alignment indicator reduces assembly time and simplifies set up. The SLC Series has a robust aluminium IP67 rated, rigid housing that aids adjustment and helps to ensure reliable operation, with clear diagnostic and status messages in the 7 segment display to ensure shorter downtimes.

Cable lengths up to 100 m with unshielded connection cables ensure greater operational flexibility and cost reduction even under difficult EMC conditions. The SLC series also offers simplified planning of safeguards and less type diversity because very SLC safety light curtain from 0 m to the maximum range can be implemented. They can be made as Type 2 or Type 4 devices, and are available in five beam resolutions (14, 20, 30, 40, and 90mm), protection field heights spanning 150–1800mm, and an extensive range of accessories. Highly configurable and easy to install, adjust, and remove, SLC Series safety light curtains provide trusted, cost-effective machine protection in a wide range of applications.

All SLC Series light curtains are compatible with Wieland's safety relays and samos® PRO Series programmable safety controllers, which enable the implementation of advanced control features like muting functions.

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