

DUOMETRIC LS SERIES LIGHT CURTAIN

LS00/000-000X

LS series light curtain, detection height up to 5800mm

- Detection height 35 - 5800mm
- Sensing distance 0.3 - 16m
- 4-160 light beams
- Parallel / Parallel and diagonal rays



PRODUCT DESCRIPTION

Detecting light curtains or curtain photocells monitor a defined area with invisible, infrared light beams. The light curtain systems consist of a transmitter and receiver. If any beam between transmitter and receiver is interrupted, this is registered by the internal control unit and signaled via the push-pull output. In DUOmetrics' detecting light curtains, the control unit is integrated into the transmitter and receiver profiles. This makes our light curtains compact, slim and powerful.

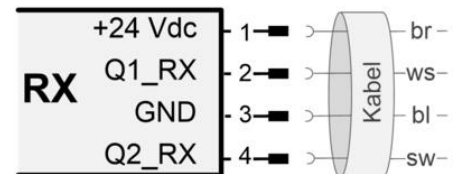
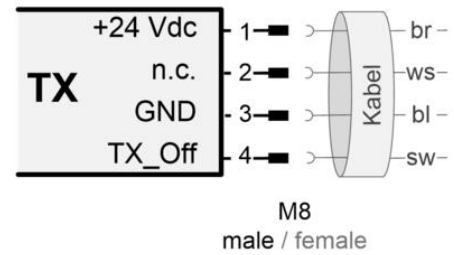
TECHNICAL DATA

Base cycle time	4 ms
Beam spacing max	100 mm
Beam spacing min	5 mm
Controller	Integrated
Detection height	5800 mm
Detection method	Parallella / parallella och diagonala strålar
IP class	IP20, IP54, IP65
Light type	IR-LED 880 nm
Monitoring height min	35 mm
Number of beams	4 - 160
Outputs	PNP/NPN (push-pull)
Per beam cycle time	1 ms
Power consumption	3,1 W
Range Area 1 max	5 m
Range Area 1 min	1 m
Range Area 2 max	1.3 m
Range Area 2 min	0.3 m

Supply voltage	24 VDC (18 - 30 VDC) / 10% ripple
Temperature range	-30 till +50°C

Acronym		Cross section in mm	max. profile length	Description
I		12x24	6 m	M4 studs distributed over the whole profile length. Standard configuration in the industrial environment.
Q		10x27	4 m	Cross-hole for flat assembly
T		12x58	3 m	For 5mm beam spacing only; Cross-hole for flat assembly, M4 thread at ends

Acronym		Cross section in mm	max. profile length	Description
Z		14x65	3 m	Vertical beam exit: no mounting holes, drill groove in mounting chamber
R		12x49	3 m	Vertical beam exit: rectangular cross section; no mounting holes, drill groove in mounting chamber
A		12x24	2,5 m	Bottom: spigot Top: 4x M4 studs Standard configuration for elevators.



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