

SLLCR14-1820-S

Safety Technology – Safety Light Curtain

Cascadable Receiver



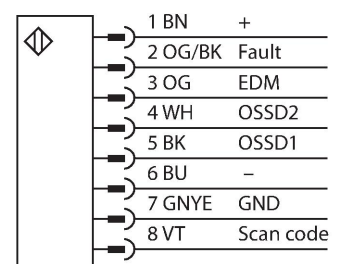
Technical data

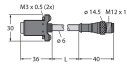
Type	SLLCR14-1820-S
ID	3809174
Optical data	
Function	Light screen
Light type	IR
Optical resolution	14 mm
Range	100...12000 mm
Scan field	1820 mm
Number of beams	208
With muting function	no
Electrical data	
Operating voltage	20.4...27.6 VDC
DC rated operational current	≤ 144 mA
Max. current safe output	500 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	2 normally open contact, 2 × PNP
Voltage output	0...22.5 V
Current output	0 mA
Number of safe semiconductor outputs	2
Response time typical	< 48.9 ms
With restart interlock	yes
Blanking function	yes
Max. DC switching capacity	12 W
Mechanical data	
Design	Rectangular, EZ-Screen LS

Features

- Rugged housing
- Protection class IP67
- Diagnosis display for status and error indication
- Scan field L: 1820 mm
- Optical Alignment aid
- No blind zone
- Range: 0.1...12 m
- Resolution: 14 mm
- Operating voltage: 24 VDC
- Automatic cascade configuration
- No restart interlock
- Safety light curtain type 4 acc. to IEC 61496-1 and 61496-2
- Category 4 Ple acc. to EN ISO 13849-1
- SIL 3 acc. to IEC 61508 SIL 3 and CL3 acc. to IEC 62061
- Shock and vibration resistant acc. to IEC 61496-1
- The device is supplied without wiring or mounting brackets. Wiring and mounting brackets must be selected under connection or mounting accessories and are required to operate the device.

Wiring diagram



Dimension drawing	Type	ID	
	DELSE-81D	3086942	Connection cable, 8-pin, M12 male connector, PVC, yellow, length: 0.31 m, RD male connector for direct connection to LS light screen
Kein Maßbild vorhanden/ No dimension drawing available	RDLS-815D	3093156	Connection cable, 8-pin, open end, PVC, yellow, length: 4.57 m, RD male connector for direct connection to LS light screen
Kein Maßbild vorhanden/ No dimension drawing available	RDLS-515D	3801010	Connection cable, 5-pin, open end, PVC, yellow, length: 4.57 m, RD male connector for direct connection to LS light screen