OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

DATALOGIC - SG2-E 50/90 PRESENCE

SG2-50-180-OO-E-C
LIGHTCURTAIN L=1800mm/50mm/0-19M



- Range up to 19m
- Protection height 300-1800 mm
- Type 2 (PLc SIL 2)
- Suitable for detection or personnel in a dangerous area
- Anti-interference function

PRODUCT DESCRIPTION

Datalogic safety light curtain SG2-E Presence is made for presence control of human body with a range of up to 19 metres. The safety light curtain is available as type 2, and maintains level PL d according to the latest safety standards, EN ISO 13849-1 and EN 62061.. SG2-E Presence is a extended version from SG2-B and it has integrated manual reset /automatic reset and input for monitoring of external contactors (EDM). SG2-E Presence include also an Anti-Interference function. The Anti-Interference system consents the installation of different light curtains aligned one next to the other avoiding mutual optical interference by choosing a shorter operating distance (9m instead of 19m), without the need to install separating shields.

The safety light curtain has two safe electronic short-circuit detection outputs (PNP). If potential free contacts are needed we can offer for example Datalogic safety relay CSME. Safety light curtain supplied complete with brackets.

Datalogic has a 3 year warranty for safety light curtains.

TECHNICAL DATA

Function	EDM, Manual/automatic restart
IP class	IP65
Reaction time	20 ms
LED indication	6 x LED, 7-segment (SSD) display
Material of body	Aluminium
Temperature operational max	55 °C
Temperature operational min	0 °C
Approvals	CE, cULus, TÜV
Range	0,2-19 m

Protection height	1800 mm

Power consumption	Transmitter 2W. Receiver 3,5W. (without load)
Supply voltage	24 V DC, stabilized
PL	c (EN ISO 13849-1)
SFF	98,40 %
SIL	1 (EN IEC 61508)
Voltage tolerance	±20 %
Safe outputs	2 x OSSD
T1 (Life time in years)	20
Type	2
Cable connection receiver	M12, 8-pole
Cable connection transmitter	M12, 4-pole
Cable length max	50 m
In compliance with	EMC, LVD, MD
Contact current max	0.5 A
DC	97,50 %
Additional features	EDM, Reset, Test
MTTFd	273 year(s)
Number of beams	49

