

SB400

safety installation accessories

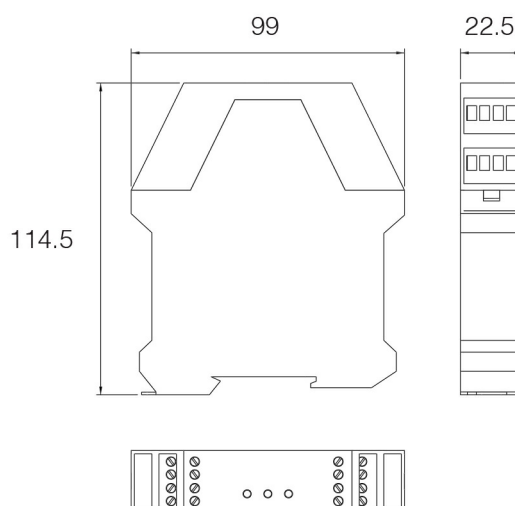


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance

According to the sensors used: LS2 up to 12m LS4 up to 20m

Application

Function Principle

Control unit

Available functions

Manual/Automatic Restart, EDM, System Status

Description

Cat. 4 Safety Module

Usable with

Safety light curtains: LS2, LS4, LP4

Max. number of sensors connected

1 x LS2/LS4 receiver

Functions

Relays modules

Safety parameters

Type

4

SIL

4

SILCL

4

PL

d (2A@230VAC; 1 comm. @30s) e (2A@230VAC; 1 comm. @60s) e (2A@230VAC; 1 comm. @1h) e (2A@230VAC; 1 comm. @24h) d (0,5A@230VAC; 1 comm. @30s) d (0,5A@230VAC; 1 comm. @60s) e (0,5A@230VAC; 1 comm. @1h) e (0,5A@230VAC; 1 comm. @24h)

PFHd

2,64E-08 (2A@230VAC; 1 comm. @30s) 1,55E-08 (2A@230VAC; 1 comm. @60s) 4,93E-09 (2A@230VAC; 1 comm. @1h) 4,77E-09 (2A@230VAC; 1 comm. @24h) 4,86E-08 (0,5A@230VAC; 1 comm. @30s) 2,64E-08 (0,5A@230VAC; 1 comm. @60s) 5,11E-09 (0,5A@230VAC; 1 comm. @1h) 4

Dcavg	98,92% (2A@230VAC; 1 comm. @30s) 98,85% (2A@230VAC; 1 comm. @60s) 97,24% (2A@230VAC; 1 comm. @1h) 96,89% (2A@230VAC; 1 comm. @24h) 98,96% (0,5A@230VAC; 1 comm. @30s) 98,92% (0,5A@230VAC; 1 comm. @60s) 97,51% (0,5A@230VAC; 1 comm. @1h) 96,91% (0,5A@230VAC; 1 comm. @24h)
MTTFd	26,06 (2A@230VAC; 1 comm. @30s) 50,29 (2A@230VAC; 1 comm. @60s) 100 (2A@230VAC; 1 comm. @1h) 100 (2A@230VAC; 1 comm. @24h) 13,28 (0,5A@230VAC; 1 comm. @30s) 26,06 (0,5A@230VAC; 1 comm. @60s) 100 (0,5A@230VAC; 1 comm. @1h) 100 (0,5A@230VAC; 1 comm. @24h)
CFF	80%

Outputs

Output type	2 x relay NO (OSSD safety output) 1 x NO, 100mA, 24V (System Status)
Response time	≤ 20ms

Electrical data

Operating Voltage	24Vdc ± 20%
Load current	2A @ 250V
Cabel Length (Power Supply/Output)	≤ 100m
Cable Length (sensors)	≤ 100m
Power Consumption	≤ 5W

Mechanical data

Dimensions	22,5 x 99 x 114,5 mm
Connections	terminals
Operating temperature	0°C ... + 55°C

Test/Approvals

Approvals	CE, cULus, TÜV
EMC compatibility	According to 2014/30/EU Directive
Degree of protection	IP20

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



For the wiring diagram,
consult the catalogue
or manual.

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