

SB400

safety installation accessories

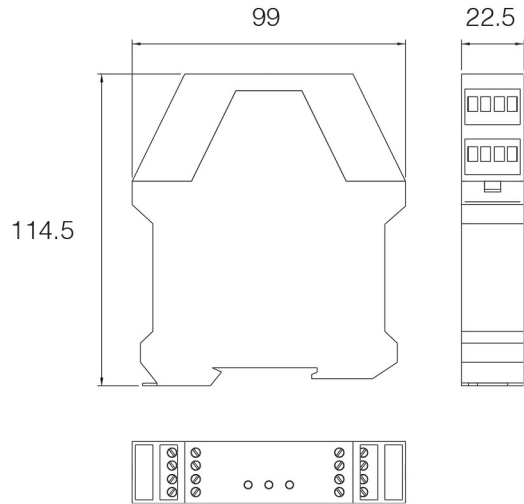


Micro Detectors

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.

M.D. Micro Detectors S.p.A.

Strada S. Caterina, 235
41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail info@microdetectors.com

date of printing

01/12/2020 20:22:46