

SICK MICS3-AAAZ40AZ1P01

SICK MICS3-AAAZ40AZ1P01 | microScan3
SAFETY LASER SCANNERS

Features

Product version microScan3 Core I/O

Model Sensor including system plug

Application Indoor

Protective field range 4 m

Warning field range 40 m

Number of simultaneously monitored fields ≤ 4

Number of fields 8

Number of monitoring cases 2

Scanning angle 275°

Resolution (can be configured) 30 mm

40 mm

50 mm

70 mm

150 mm

200 mm

Angular resolution 0.39°

Response time 70 ms

Protective field supplement 65 mm

Safety-related parameters

Type Type 3 (IEC 61496)

Safety integrity level SIL 2 (IEC 61508)

Category Category 3 (EN ISO 13849)

Performance level PL d (EN ISO 13849)

PFHD (mean probability of a dangerous failure per hour)

8.0×10^{-8}

TM (mission time) 20 years (EN ISO 13849)

Safe state in the event of a fault At least one OSSD is in the OFF state.

Interfaces

Connection type Male connector, M12, 8 pin, A-coded (common male connector for power supply and inputs and outputs)

Universal I/Os 3

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Outputs

OSSD pairs 1

Configuration method PC with Safety Designer (Configuration and Diagnostic Software)

Configuration and diagnostics interface USB 2.0, Mini-USB

Display elements Graphic color display, LEDs

Electronics

Protection class III (EN 61140)

Supply voltage V_s 24 V DC (16.8 V DC ... 30 V DC)

Power consumption typical 7 W (without output load)

Mechanics

Dimensions (W x H x D) 112 mm x 135.1 mm x 111.1 mm

Weight 1.15 kg

Housing material Aluminum

Housing color RAL 1021 (yellow), RAL 9005 (black)

Optics cover material Polycarbonate

Optics cover surface finish Outside with scratch-resistant coating

Ambient data

Enclosure rating IP65 (IEC 60529)

Ambient light immunity ≤ 40 klx (IEC 61496-3)

Ambient operating temperature $-10^{\circ}\text{C} \dots +50^{\circ}\text{C}$

Storage temperature $-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$

Vibration resistance IEC 60068-2-6, IEC 60068-2-64, IEC 60721-3-5, IEC TR 60721-4-3, IEC 61496-1, IEC 61496-3

Class 5M1 (IEC 60721-3-5)

3M4 (IEC TR 60721-4-3)

Shock resistance IEC 60068-2-27, IEC 60721-3-5, IEC TR 60721-4-3, IEC 61496-1, IEC 61496-3

Class 5M1 (IEC 60721-3-5)

3M4 (IEC TR 60721-4-3)

Continuous shock 100 m/s^2 , 16 ms

150 m/s^2 , 6 ms

EMC IEC 61496-1, IEC 61000-6-2, IEC 61000-6-4

Other information

Type of light Pulsed laser diode

Wave length 845 nm

Detectable remission factor 1.8% to several 1000%

Laser class 1 (21 CFR 1040.10 and 1040.11, IEC 60825-1)

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