SICK.COM

DATA SHEET

MSLZ01-25032

MSL
Safety multibeam sensors

SICK Sensor Intelligence

Illustration may differ

SAFETY MULTIBEAM SENSORS

MSLZ01-25032

ORDERING INFORMATION

Type	part no.
MSLZ01-25032	1015674

Further device versions and accessories at www.sick.com/MSL

DETAILED TECHNICAL DATA

FEATURES

System part	Active unit
Scanning range	0 m ... 7.5 m
Number of beams	1
Beam separation	500 mm
Response time	≤ 15 ms

SAFETY-RELATED PARAMETERS

Type	Type 4 (IEC 61496-1)
Safe state in the event of a fault	At least one OSSD is in the OFF state.

FUNCTIONS

Beam coding	✓
External device monitoring (EDM)	✓

INTERFACES

System connection	
Length of cable	70 m

ELECTRICAL DATA

Protection class	I
Supply voltage V_S	24 V DC (19.2 V DC ... 28.8 V DC) [1]

[1] The external voltage supply must be capable of buffering brief mains voltage failures of 20 ms as specified in EN 60204-1. Suitable power supplies are available as accessories from SICK.

[2], The voltage must not exceed or fall below the limit values.

Residual ripple	≤ 2.5 V_{pp} [2]
Power consumption	< 12 W
Switching outputs	2 PNP semiconductors, short-circuit protected, cross-circuit monitored
Output current	≤ 200 mA

[1] The external voltage supply must be capable of buffering brief mains voltage failures of 20 ms as specified in EN 60204-1. Suitable power supplies are available as accessories from SICK.

[2], The voltage must not exceed or fall below the limit values.

MECHANICAL DATA

Dimensions	52 mm x 55 mm x 684 mm
Weight	2.284 kg

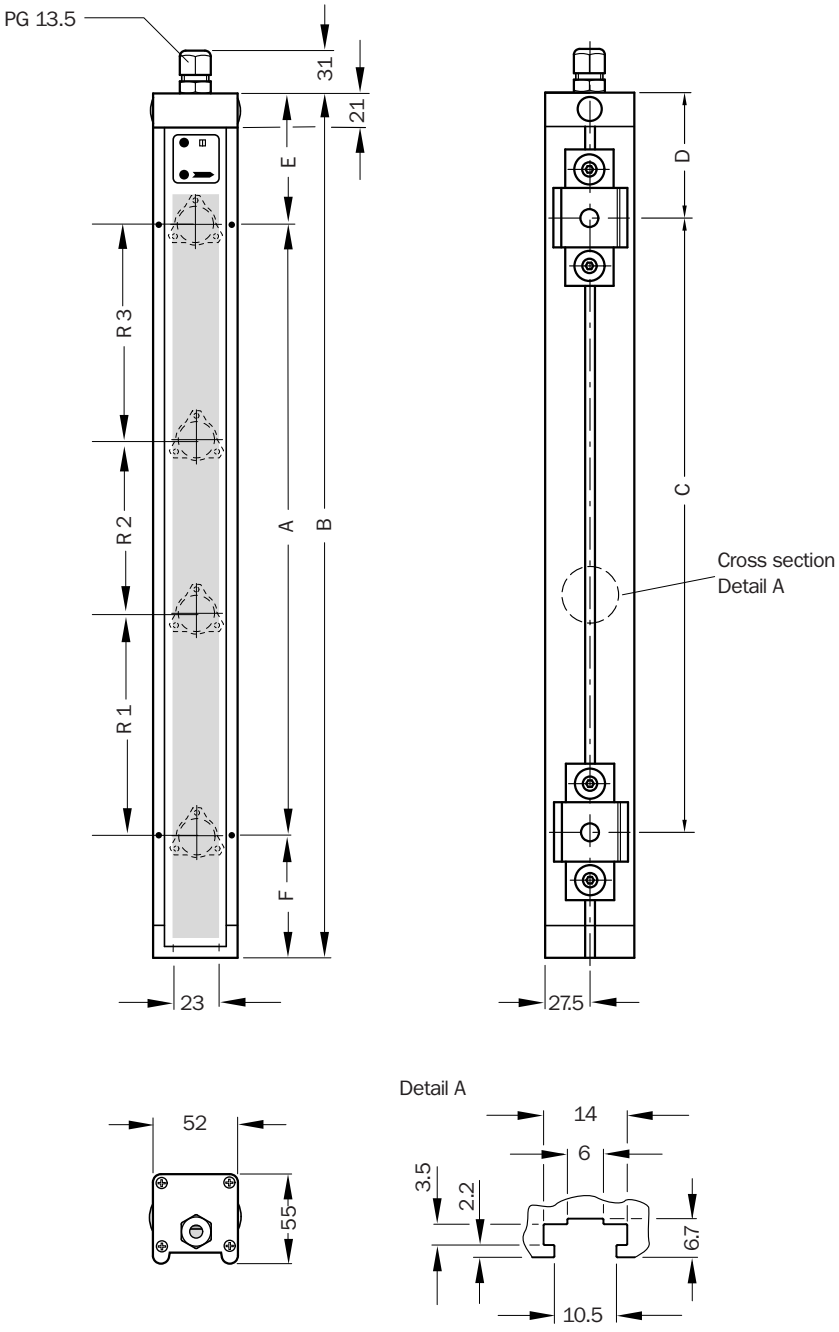
AMBIENT DATA

Enclosure rating	IP65
Ambient operating temperature	0 °C ... +55 °C
Storage temperature	–25 °C ... +70 °C
Air humidity	15 % ... 95 %, Non-condensing
Vibration resistance	5 g, 10 Hz ... 55 Hz (IEC 68-2-6)
Shock resistance	10 g (according to IEC 68-2-29)

OTHER INFORMATION

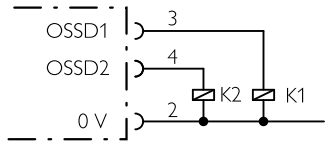
Wave length	880 nm

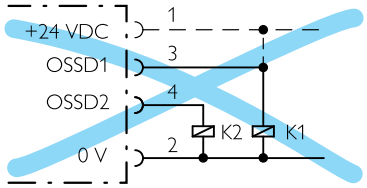
DIMENSIONAL DRAWING

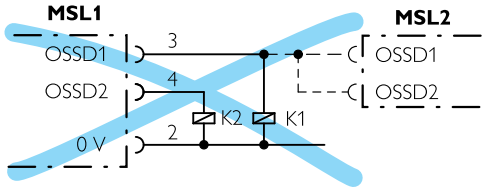


Dimensions in mm (inch)

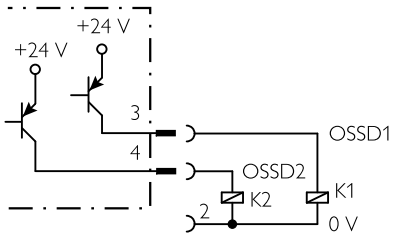
PIN ASSIGNMENT

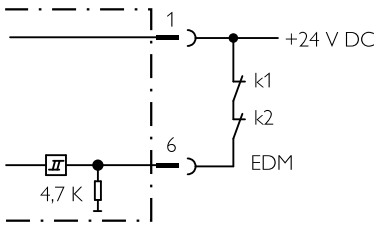




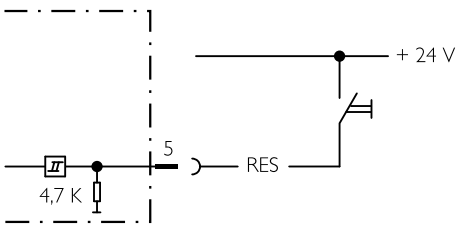


PIN ASSIGNMENT

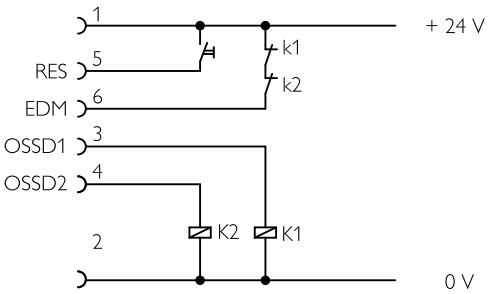




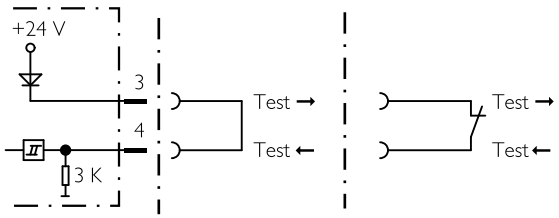
PIN ASSIGNMENT



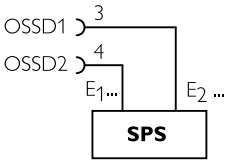
PIN ASSIGNMENT



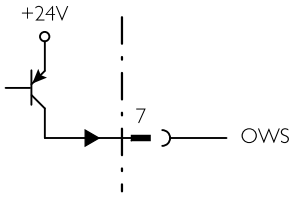
PIN ASSIGNMENT



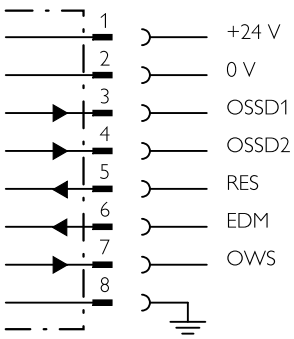
PIN ASSIGNMENT



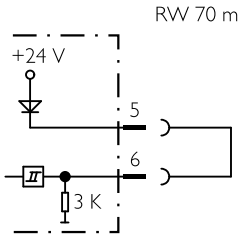
PIN ASSIGNMENT



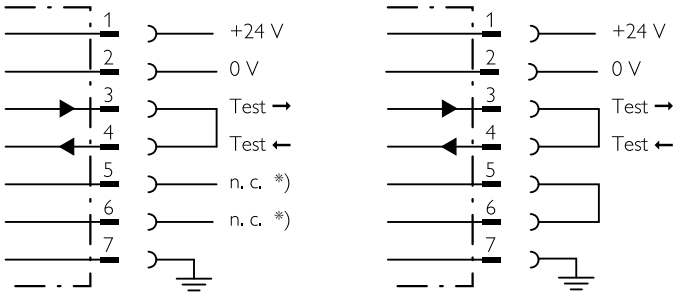
PIN ASSIGNMENT



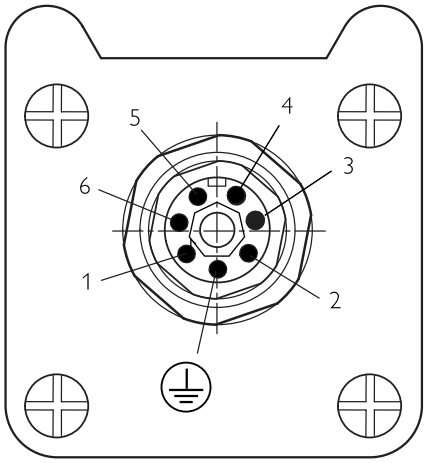
PIN ASSIGNMENT



PIN ASSIGNMENT



PIN ASSIGNMENT



Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1015674

SICK AG
WALDKIRCH
GERMANY
SICK.COM

SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

SICK

Sensor Intelligence