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DATA SHEET

E100-A2A22C05A

E100
Safety command devices

SICK Sensor Intelligence



SAFETY COMMAND DEVICES

E100-A2A22C05A

ORDERING INFORMATION

Type	part no.
E100-A2A22C05A	6021917

Further device versions and accessories at www.sick.com/E100

DETAILED TECHNICAL DATA

FEATURES

Positive action N/C contacts	2
N/O contacts	2
Actuation directions	1

SAFETY-RELATED PARAMETERS

B_{10d} parameter	5×10^5 switching cycles (with small load)
Safe state in the event of a fault	The switch has no internal fault detection and is unable to assume a safe state in the event of a fault. Fault detection is performed by the connected safety-related logic unit.

FUNCTIONS

Safe series connection	None, only individual wiring (with diagnostics)

INTERFACES

Type of connection cable	Coil
Connection type	Cable open end
Length of cable	5 m
Cable diameter	8 mm
Conductor cross section	8 x 0.34 mm²
Bend radius (with fixed installation)	> 7.5 x cable diameter
Bend radius (with moving cable)	> 15 x cable diameter
Cable material	PUR
Conductor material	Copper

ELECTRONICS

Switching principle	Slow action switching element
Positive action N/C contacts	2

N/O contacts	2
Usage category	AC-15/DC-13 (EN 60947-5-1)
Rated operating current (voltage)	2 A (230 V AC) 2 A (24 V DC)
Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	2,500 V
Short-circuit protection	2 A gG
Switching voltage	≥ 12 V DC
Switching current (switching voltage)	1 mA (24 V DC)

MECHANICS

Dimensions	64 mm x 132 mm
Weight	1.32 kg
Housing material	Plastic
Mechanical life	1×10^5 switching cycles

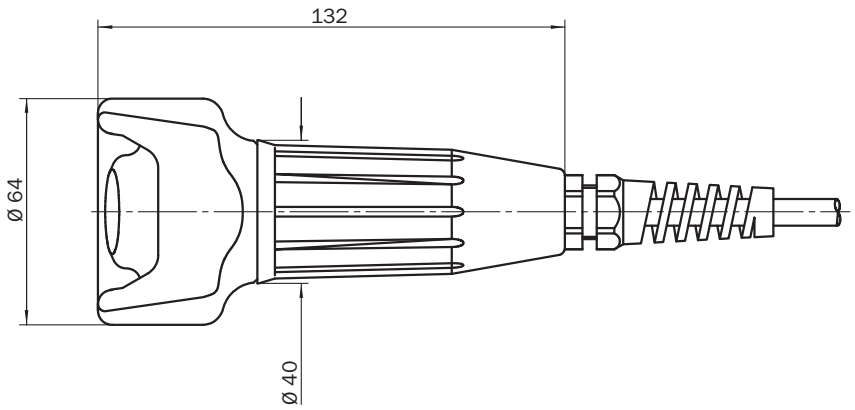
AMBIENT DATA

Enclosure rating	IP67 (EN 60529)
Ambient operating temperature	–5 °C ... +50 °C
Storage temperature	–5 °C ... +50 °C

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓
cULus certificate	✓
EC-Type-Examination approval	✓
Third party certificate	✓

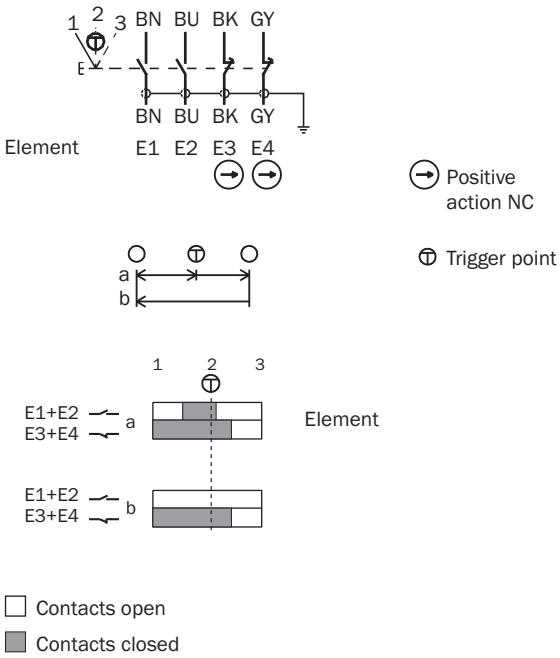
DIMENSIONAL DRAWING E100-A



Dimensions in mm (inch)

ACTUATOR TRAVEL DIAGRAM E100-A

2 NO
2 positive action NC



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/6021917

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WALDKIRCH
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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

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