

E100-A2A22C05A E100

SAFETY COMMAND DEVICES



Ordering information



Туре	Part no.
E100-A2A22C05A	6021917

Other models and accessories → www.sick.com/E100

Detailed technical data

Features

Number of positive action N/C contacts	2
Number of N/O contacts	2
Actuation directions	1

Safety-related parameters

B _{10d} parameter	5 x 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

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 mm ²
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

Electrical data

Switching principle	Slow action switching element
Number of positive action N/C contacts	2
Number of 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 with stand voltage $\mathbf{U}_{\mathrm{imp}}$	2,500 V
Short-circuit protection	2 A gG
Switching voltage	≥ 12 V DC
Switching current (switching voltage)	≥ 1 mA (24 V DC)

Mechanical data

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

Ambient data

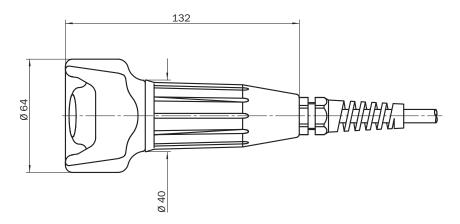
Enclosure rating	IP67 (EN 60529)
Ambient operating temperature	-5 °C +50 °C
Storage temperature	-5 °C +50 °C

Classifications

eCl@ss 5.0	27371238
eCl@ss 5.1.4	27371238
eCl@ss 6.0	27371238
eCl@ss 6.2	27371238
eCl@ss 7.0	27371238
eCl@ss 8.0	27371238
eCl@ss 8.1	27371238
eCl@ss 9.0	27371238
eCl@ss 10.0	27371238
eCl@ss 11.0	27371238
eCl@ss 12.0	27371238
ETIM 5.0	EC002571
ETIM 6.0	EC002571
ETIM 7.0	EC002571
ETIM 8.0	EC002571
UNSPSC 16.0901	39122205

Dimensional drawing (Dimensions in mm (inch))

E100-A

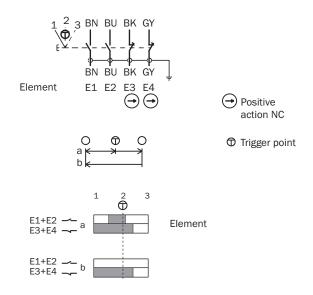


Actuator travel diagram

E100-A

2 NO

2 positive action NC



☐ Contacts open

Contacts closed

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We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

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