



DATA SHEET

ER12-SB3C5

ER12
Safety command devices



SAFETY COMMAND DEVICES

ER12-SB3C5

ORDERING INFORMATION

Type	part no.
ER12-SB3C5	6045316

Further device versions and accessories at www.sick.com/ER12



DETAILED TECHNICAL DATA

FEATURES

N/O contacts	1
Reset pushbutton (illuminable)	✓
Actuation directions	1
Suitable for muting applications (with DMM4)	✓
Suitable for reset/override applications (with de-Tec4)	✓
Dimensions (W x H x D)	40 mm x 123 mm x 36 mm
Items supplied	Including retaining clip, "RESET" cover and "RESET/OVERRIDE" cover

SAFETY-RELATED PARAMETERS

B _{10d} parameter	1 x 10 ⁶ switching cycles
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FUNCTIONS

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

Connection type	Plug connector, M12, 5-pin
Coupling nut material	PBT

ELECTRONICS - OPERATING DATA

Protection class	III (EN 61140)
Switching principle	Slow action switching element
N/O contacts	1
Usage category	DC-13 (EN 60947-5-1)

Rated operating current (voltage)	2 A (24 V DC)
Contact material	AgNi, 5 µm gold plated
Electrical life	Reset pushbutton 1 x 10 ⁶ switching cycles

ELECTRONICS - ILLUMINATION

Supply voltage V _s	30 V AC/DC
Power consumption	14 mA (24 V DC)

MECHANICS

Dimensions	40 mm x 123 mm x 36 mm
Weight	106 g
Housing material	PBT
Mechanical life	Reset pushbutton 1 x 10 ⁶ switching cycles

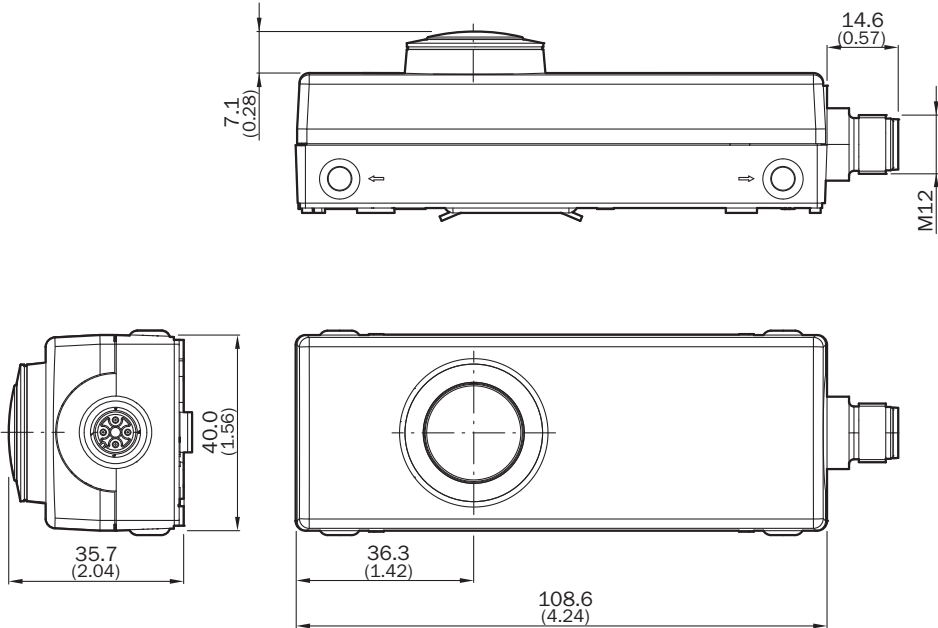
AMBIENT DATA

Enclosure rating	IP65 (EN 60529)
Ambient operating temperature	-25 °C ... +70 °C
Storage temperature	-25 °C ... +80 °C

CERTIFICATES

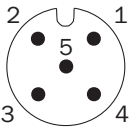
EU declaration of conformity	✓
UK declaration of conformity	✓
Moroccan declaration of conformity	✓
China RoHS	✓
cULus certificate	✓
ULus approval	✓

DIMENSIONAL DRAWING



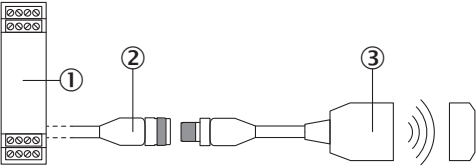
Dimensions in mm (inch)

PINOUTS



1	N/O contact
4	Not connected
2	Not connected
3	LED -
5	LED +

CONNECTION SINGLE SENSOR



- ① Safe evaluation unit
- ② connecting cable with M12 female connector, 5-pin and flying leads (e.g., YF2A15-xxxVB5XLEAX)
- ③ ER12-SB3C5 reset pushbutton

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/6045316



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SICK AT A GLANCE

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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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