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DATA SHEET

ES21-MB16S4

ES21
Safety command devices

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SAFETY COMMAND DEVICES

ES21-MB16S4

ORDERING INFORMATION

Type	part no.
ES21-MB16S4	6082623

Further device versions and accessories at www.sick.com/ES21

DETAILED TECHNICAL DATA

FEATURES

Positive action N/C contacts	2
N/O contacts	0
Actuation directions	1
Release type	Rotary release

SAFETY-RELATED PARAMETERS

B_{10d} parameter	2.5×10^5 switching cycles

FUNCTIONS

Safe series connection	With Flexi Loop (with diagnostics)

INTERFACES

Connection type	M12 male connector, 4-pin, A-coding

ELECTRONICS - OPERATING DATA

Switching principle	Slow action switching element
Positive action N/C contacts	2
N/O contacts	0
Usage category	AC-15/DC-13 (EN 60947-5-1)
Rated operating current (voltage)	4 A (35 V AC) 2 A (35 V DC)
Rated insulation voltage U_i	250 V

[1] At rated load.

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Electrical life	50.000 switching cycles [1]

[1] At rated load.

MECHANICS

Weight	20 g
Housing material	Plastic
Mounting version	Panel mount version
Mechanical life	50.000 switching cycles

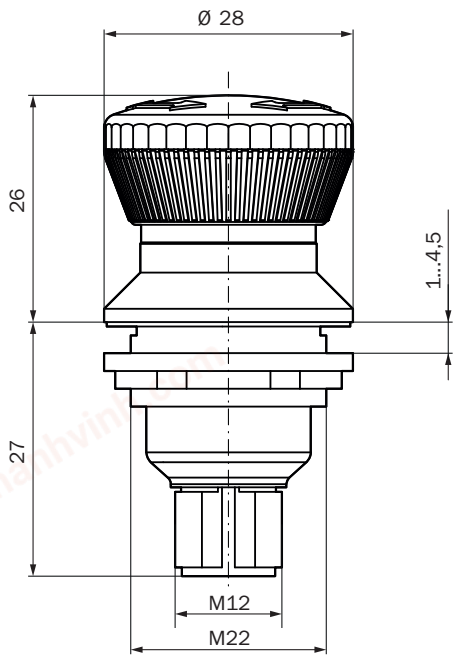
AMBIENT DATA

Enclosure rating	IP65 (IEC 60529) IP67 (IEC 60529)
Ambient operating temperature	–25 °C ... +70 °C
Storage temperature	–40 °C ... +80 °C

CERTIFICATES

EU declaration of conformity	✓
UK declaration of conformity	✓
China RoHS	✓
cULus certificate	✓
Third party certificate	✓

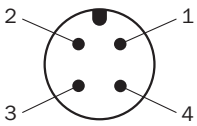
DIMENSIONAL DRAWING



Dimensions in mm (inch)

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PINOUTS



Pin	Description
1 – 2	Normally closed contact
3 – 4	Normally closed contact
For details see operating instructions	

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/6082623

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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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