



Ordering information

Type	Part no.
ES21-CG2001	6036140

Product consists of UL certified components (ES21-XC030, ES21-CS0001, ES21-CS1000). See UL certificate number: E198242

Other models and accessories → www.sick.com/ES21



Detailed technical data

Features

Number of positive action N/C contacts	2
Number of N/O contacts	0
Contact module for panel mount version	✓

Safety-related parameters

B_{10d} parameter	250.000 switching cycles
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Functions

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

Connection type	
Conductor cross-section	≤ 2.5 mm ²
Contact	Screw connection

Electrical data

Operating data

Protection class	II (EN 50178)
Switching principle	Slow action switching element
Number of positive action N/C contacts	2
Number of N/O contacts	0
Usage category	AC-15/DC-13 (EN 60947-5-1)
Rated operating current (voltage)	3 A (250 V AC) 2 A (24 V DC)
Rated current (voltage) according to EN 61058-1	16 A (10 A) 250 V AC 10 A (6 A) 440 V AC
Rated insulation voltage U_i	600 V
Switching voltage	≥ 5 V DC
Switching current	≥ 1 mA

¹⁾ At rated load.

Electrical life	1 x 10 ⁶ switching cycles ¹⁾
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¹⁾ At rated load.

Mechanical data

Weight	70 g
Mounting version	Panel mount version
Mechanical life	1 x 10 ⁶ switching cycles

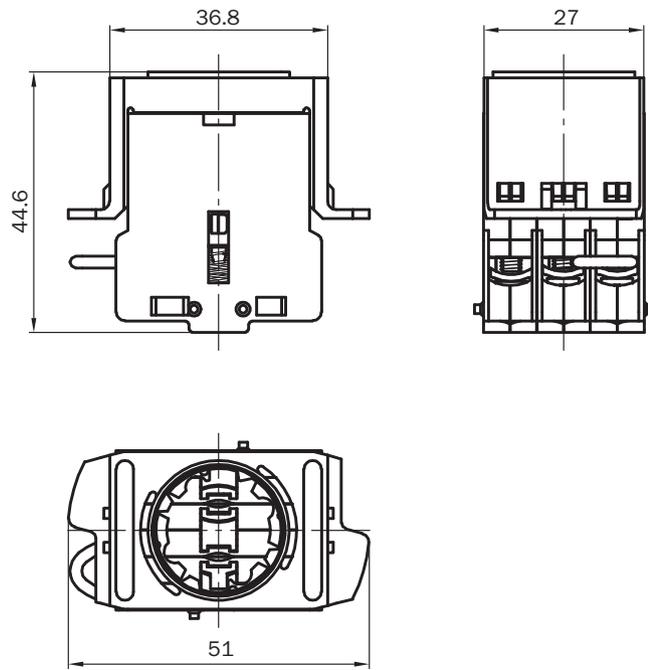
Ambient data

Ambient operating temperature	-30 °C ... +85 °C
Storage temperature	-50 °C ... +85 °C

Classifications

eCl@ss 5.0	27371228
eCl@ss 5.1.4	27371228
eCl@ss 6.0	27371244
eCl@ss 6.2	27371244
eCl@ss 7.0	27371244
eCl@ss 8.0	27371244
eCl@ss 8.1	27371244
eCl@ss 9.0	27371244
eCl@ss 10.0	27371291
eCl@ss 11.0	27371291
eCl@ss 12.0	27371291
ETIM 5.0	EC002034
ETIM 6.0	EC002034
ETIM 7.0	EC002034
ETIM 8.0	EC002034
UNSPSC 16.0901	39121545

Dimensional drawing (Dimensions in mm (inch))



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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.

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