

**i11-S213** i11S

**ELECTRO-MECHANICAL SAFETY SWITCHES** 





# Ordering information

Туре	part no.
i11-S213	6022583

Other models and accessories → www.sick.com/i11S

actuator not supplied with delivery







#### Detailed technical data

#### **Features**

Positive action N/C contacts	2
N/O contacts	1
Retaining force	≤ 10 N
Actuation frequency	≤ 7,000 /h
Actuation directions	5
Approach speed	≤ 20 m/min

# Safety-related parameters

B <sub>10d</sub> parameter	4 x 10 <sup>6</sup> switching cycles (with small load)
Туре	Type 2 (EN ISO 14119)
Actuator coding level	Low coding level (EN ISO 14119)
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)
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#### Interfaces

Connection type		Cable gland, 3 x M16
	Conductor cross section	≤ 1.5 mm²

#### Electronics

Switching principle	Slow action switching element
Usage category	AC-15/DC-13
Rated operating current (voltage)	4 A (230 V AC) 4 A (24 V DC)
Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse with stand voltage $\mathbf{U}_{\mathrm{imp}}$	2,500 V
Short-circuit protection	4 A gG

Switching voltage	≥ 12 V DC
Switching current (switching voltage)	1 mA (24 V DC)

# Mechanics

Weight	+ 0.1 kg
Housing material	Glass-fiber reinforced thermoplastic
Mechanical life	1 x 10 <sup>6</sup> switching cycles

# Ambient data

Enclosure rating	IP67
Ambient operating temperature	-20 °C +80 °C
Storage temperature	-20 °C +80 °C

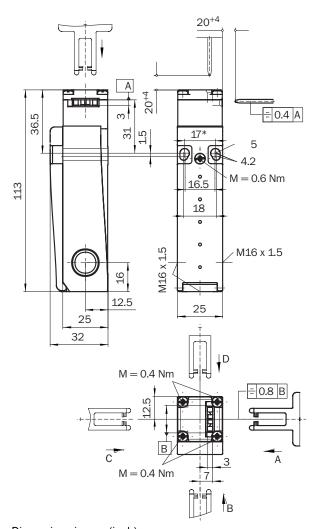
# Certificates

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

# Classifications

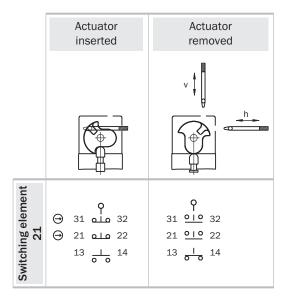
ECLASS 5.0	27272602
ECLASS 5.1.4	27272602
ECLASS 6.0	27272602
ECLASS 6.2	27272602
ECLASS 7.0	27272602
ECLASS 8.0	27272602
ECLASS 8.1	27272602
ECLASS 9.0	27272602
ECLASS 10.0	27272602
ECLASS 11.0	27272602
ECLASS 12.0	27272602
ETIM 5.0	EC002592
ETIM 6.0	EC002592
ETIM 7.0	EC002592
ETIM 8.0	EC002592
UNSPSC 16.0901	39122205

# Dimensional drawing



Dimensions in mm (inch)

# Switching elements



#### Switching element 21:

2 positive action N/C contacts + 1 N/O contact

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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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