

i110-RA313

ELECTRO-MECHANICAL SAFETY SWITCHES



i110-RA313 | i110R ELECTRO-MECHANICAL SAFETY SWITCHES



Ordering information

Туре	Part no.
i110-RA313	6025107

Other models and accessories -> www.sick.com/i110R

Detailed technical data

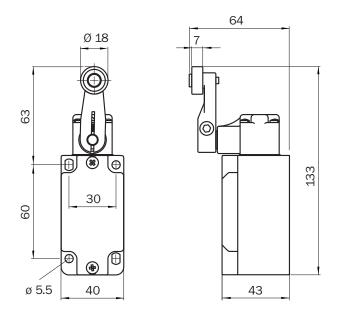
umber of positive action N/C contacts	3
umber of N/O contacts	1
ctuation frequency	≤ 6,000 /h
ctuation torque	≥ 0.34 Nm
ctuation directions	4
pproach speed	0.1 m/min 15 m/min
ositive break angle	44°
afety-related parameters	
_{10d} parameter	2 x 10 ⁶ switching cycles (with small load)
/ре	Type 1 (EN ISO 14119)
ctuator coding level	Uncoded (EN ISO 14119)
afe 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.
inctions	
afe series connection	None, only individual wiring (with diagnostics)
terfaces	
onnection type	Cable gland, 1 x M20
Conductor cross section	≤ 2.5 mm ²
ectrical data	
witching principle	Slow action switching element
sage category	AC-15/DC-13 (IEC 60947-5-1)
ated operating current (voltage)	3 A (240 V AC) 3 A (24 V DC)
ated insulation voltage U _i	250 V
ated impulse withstand voltage U _{imp}	2,500 V AC
hort-circuit protection	F15

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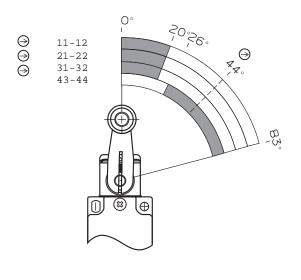
Switching voltage≥ 5 ∨ DCSwitching current (switching voltage)> 5 mA (5 ∨ DC)Mechanical data0.52 kgWeight0.52 kgHousing materialZinc diecastSurface treatmentVarnishedMechanical life10 x 10 ⁶ switching cyclesAmbient dataIP66 (IEC 60529)Ambient operating temperature-25 ° C +80 ° CStorage temperature-25 ° C +80 ° C
Weight 0.52 kg Housing material Zinc diecast Surface treatment Varnished Mechanical life 10 x 10 ⁶ switching cycles Ambient data IP66 (IEC 60529) Ambient operating temperature -25 °C +80 °C
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Surface treatmentVarnishedMechanical lifeVarnishedAmbient dataProfection (IEC 60529)Ambient operating temperatureIP66 (IEC 60529)Construction (IEC 60529)Profection (IEC 60529)Ambient operating temperatureProfection (IEC 60529)
Mechanical life 10 x 10 ⁶ switching cycles Ambient data Fnclosure rating Ambient operating temperature IP66 (IEC 60529) -25 °C +80 °C
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Ambient operating temperature -25 °C +80 °C
Storage temperature -25 °C +80 °C
Classifications
eCl@ss 5.0 27272601
eCl@ss 5.1.4 27272601
eCl@ss 6.0 27272601
eCl@ss 6.2 27272601
eCl@ss 7.0 27272601
eCl@ss 8.0 27272601
eCl@ss 8.1 27272601
eCl@ss 9.0 27272601
eCl@ss 10.0 27272601
eCl@ss 11.0 27272601
eCl@ss 12.0 27272601
ETIM 5.0 EC001829
ETIM 6.0 EC001829
ETIM 7.0 EC001829
ETIM 8.0 EC001829
UNSPSC 16.0901 39122205

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Dimensional drawing (Dimensions in mm (inch))



Actuator travel diagram





Contacts open

Contacts closed

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

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."

WORLDWIDE PRESENCE:

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