

i110-RP223

SAFETY COMMAND DEVICES





Ordering information

Туре	Part no.
i110-RP223	6025077

Other models and accessories → www.sick.com/i110RP



Detailed technical data

Features

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Number of positive action N/C contacts	2	
Number of N/O contacts	2	
Actuation force (deflection)	≤ 125 N (300 mm)	
Actuation frequency	≤ 3,600 /h	
Actuation directions	1	
Cord length	≤ 30 m	

Safety-related parameters

B _{10d} parameter	2 x 10 ⁶ switching cycles (with small load)
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)

Interfaces

Connection type		Cable gland, 1 x M20
	Conductor cross section	≤ 1.5 mm²

Electrical data

Switching principle	Slow action switching element
Number of positive action N/C contacts	2
Number of N/O contacts	2
Usage category	AC-15/DC-13 (IEC 60947-5-1)
Rated operating current (voltage)	3 A (240 V AC) 2 A (24 V DC)
Rated insulation voltage U _i	250 V
Rated impulse withstand voltage U _{imp}	2,500 V

Short-circuit protection	Т6
Switching voltage	≥ 5 V DC
Switching current (switching voltage)	≥ 5 mA (5 V DC)

Mechanical data

Dimensions	40 mm x 204 mm x 56 mm
Weight	0.84 kg
Housing material	Zinc diecast
Surface treatment	Varnished
Mechanical life	1 x 10 ⁶ switching cycles

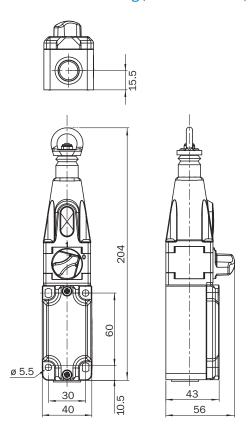
Ambient data

Enclosure rating	IP66 (IEC 60529)
Ambient operating temperature	-25 °C +80 °C
Storage temperature	-25 °C +80 °C

Classifications

eCl@ss 5.0	27270601
eCl@ss 5.1.4	27270690
eCl@ss 6.0	27270607
eCl@ss 6.2	27270607
eCl@ss 7.0	27270607
eCl@ss 8.0	27270607
eCl@ss 8.1	27270607
eCl@ss 9.0	27270607
eCl@ss 10.0	27270607
eCl@ss 11.0	27270607
eCl@ss 12.0	27270607
ETIM 5.0	EC002033
ETIM 6.0	EC002033
ETIM 7.0	EC002033
ETIM 8.0	EC002033
UNSPSC 16.0901	39121545

Dimensional drawing (Dimensions in mm (inch))



Switching elements

	Rope stack	Rope tensioned	Rope pulled
	<u> </u>		<u> </u>
Switching element 22	Ŷ 43 o o o o 44 33 o o o 34 → 21 e o o 22 → 11 e o o 12	9 43 0 0 44 33 0 0 34 21 0 0 22 11 0 0 12	Υ 43 σ 44 33 σ 34 21 σ 22 11 σ 12
Switching element 31	Ŷ 43 o o o o 44 ⊕ 31 o o o 32 ⊕ 21 o o o 22 ⊕ 11 o o o 12	9 43 0 0 44 31 0 0 32 21 0 0 22 11 0 0 12	Ŷ 43 œ¹œ 44 31 œ」œ 32 21 œ」œ 22 11 œ」œ 12

Switching element 22:

2 postive action N/C contacts + 2 N/O contact

Switching element 31:

3 postive 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.

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