



SICK Sensor Intelligence.

SAFETY COMMAND DEVICES

i150-RP223 | i150RP

SAFETY COMMAND DEVICES



Ordering information

Туре	Part no.
i150-RP223	6024884

Other models and accessories → www.sick.com/i150RP



Detailed technical data

Features		
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	≤ 75 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, 3 x M20	
Conductor cross-section	≤ 1.5 mm ²	
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	

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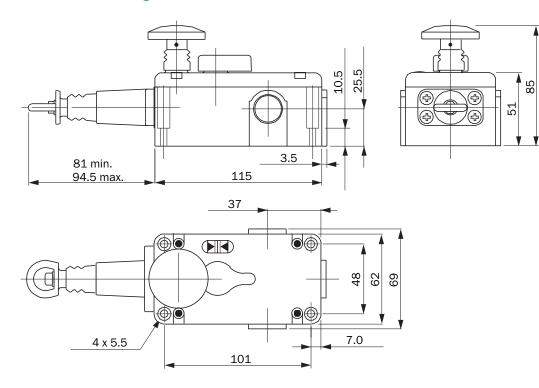
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Switching current (switching voltage)> 5 mA (5 V DC)Mechanical dataDimensions69 mm x 203 mm x 85 mmVeight0.84 kgHousing material0ie cast lightweight metalSurface treatmentVarnishedMechanical life1 x 10 ⁶ switching cyclesAmbient dataP65 (IEC 60529)Ambient operating temperature-55 ° C +80 ° CStorage temperature-25 ° C +80 ° C	Switching voltage	≥ 5 V DC
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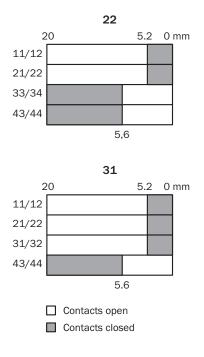
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Dimensional drawing (Dimensions in mm (inch))



Actuator travel diagram

Contact action over the entire actuator withdrawl distance (full insertion = 0 mm)



Switching elements

	Rope stack	Rope tensioned	Rope pulled
			
Switching element 22	43 σ ¹ σ 44 33 σ ¹ σ 34 ⊕ 21 σισ 22 ⊕ 11 σισ 12	43 ملی 44 33 ملی 34 21 ملی 22 11 ملی 12	የ 43 ወ ¹ 0 44 33 ወ ¹ 0 34 21 <u>910</u> 22 11 <u>910</u> 12
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Switching element 22:

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

Switching element 31:

3 postive action N/C contacts + 1 N/0 contact

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:

Contacts and other locations -www.sick.com



Online data sheet

