



Electro-mechanical safety switches Safety switches with separate actuator, i16S

i16-SA205



Model Name > [i16-SA205](#)
Part No. > [1064508](#)

At a glance

- Compact plastic housing
- Rigid and mobile actuators
- Available with M20 X 1.5 cable entry glands or Flexi Loop-compatible M12 plug connector (depending on variant)
- Slow-action switching elements with two contacts
- High retaining force
- IP 67 enclosure rating

Your benefits

- High availability and safety due to the cone shaped alignment aid
- High locking force offers machine reliability, even when exposed to shock and vibration
- Flexible electrical connectivity due to three cable entry glands
- Flexi Loop now enables a safe series connection with enhanced diagnostics capabilities and minimal wiring effort.



actuator not supplied with delivery

Note: The actuator has to be ordered separately. See "Accessories" for further details.



Technical data

Design:	Compact
Housing material:	Glass-fiber reinforced polybutylene terephthalate (PBT)
Enclosure rating:	IP 67 (IEC 60529)
Ambient operating temperature:	-20 °C ... +80 °C
B10d parameter:	2* 1E 06 switching cycles, with small load
Locking force:	30 N
Actuating element type:	Separate actuator
Number of actuation directions:	3
Approach speed:	10 m/min
Switching principle:	Slow action switching element
Number of positive action N/C contacts:	2
Number of N/O contacts:	0
Mechanical life:	1* 1E 06 switching cycles
Usage category:	DC-13 (IEC 60947-5-1)

Rated operating current (voltage):

2 A (24 V DC)

Connection type:

Plug connector, M12, 4-pin

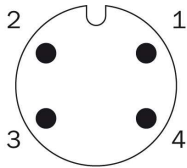
Flexi Loop-compatible plug connector:

✓

Weight:

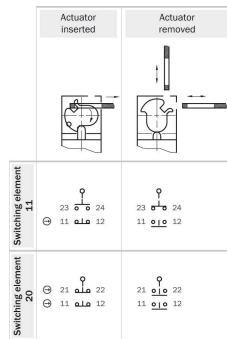
0.14 kg

Connection diagram



1	positive action N/C contacts 11/12
2	positive action N/C contacts 11/12
3	positive action N/C contacts 21/22
4	positive action N/C contacts 21/22

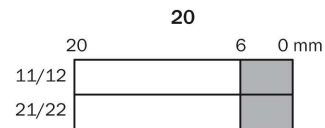
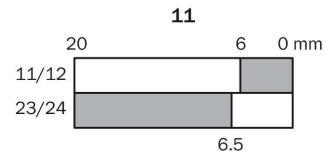
Switching elements



Switching element 11:
1 positive action N/C contact + 1 N/O contact

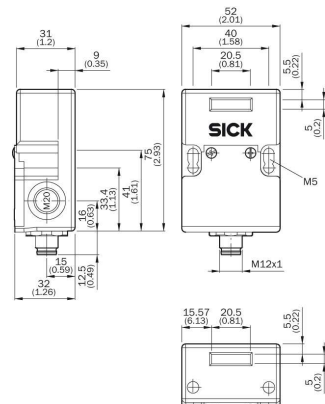
Switching element 20:
2 positive action N/C contacts

Actuator travel diagram



□ Contacts open
■ Contacts closed

Dimensional drawing



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