

Safety interlocks

i110 S

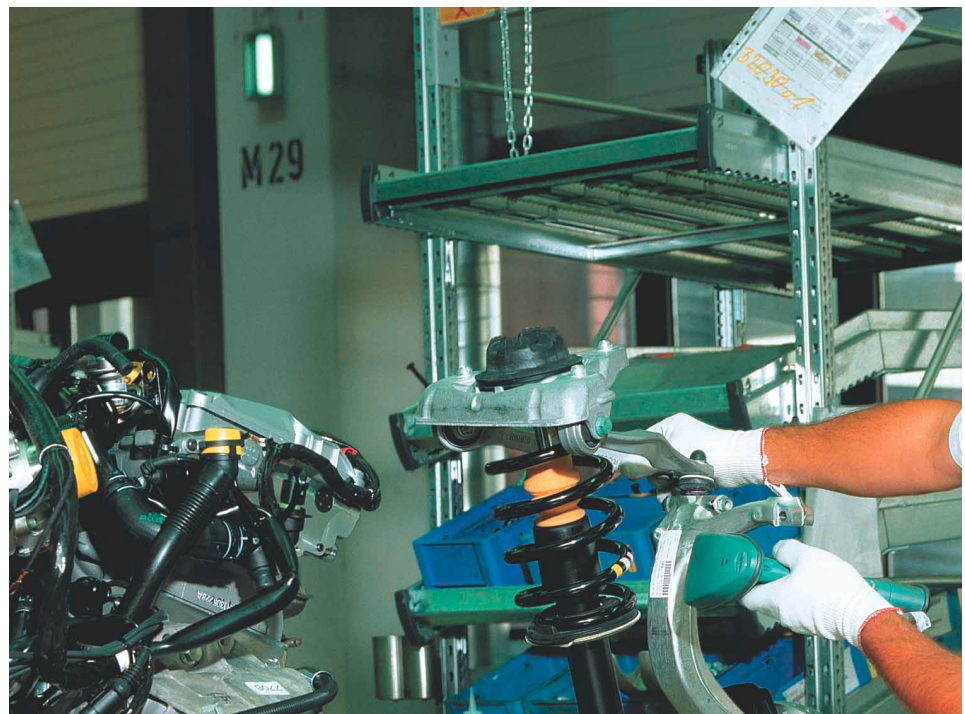


The i110 S series safety switches are designed to ensure reliability and safety in movable guard control applications whether hinged or sliding.

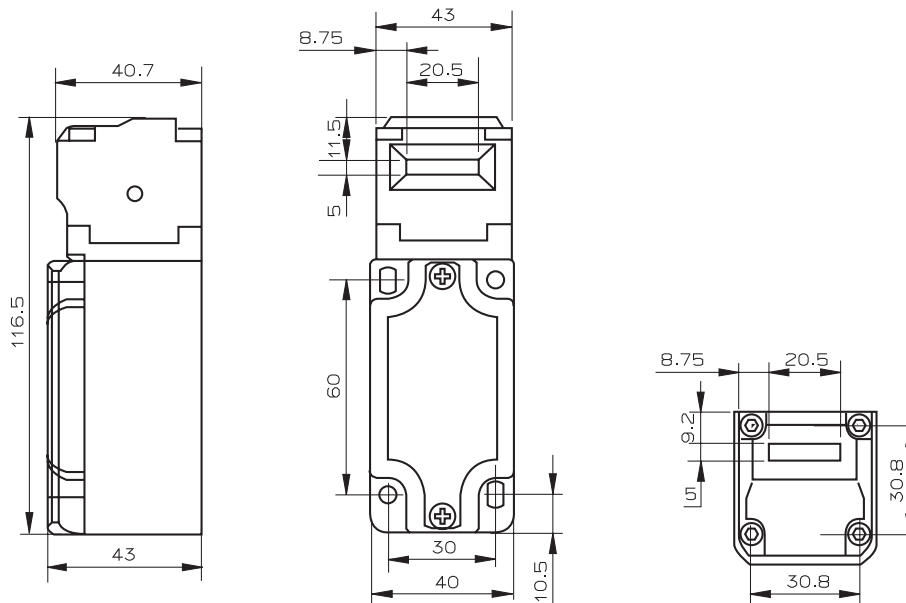
The i110 S comes in a variety of versions with 1 NC, 1 NC + 1 NO, or slow action 2 NC + 1 NO... and optional rotation of the actuating head (4 x 90°). The i110 S's sturdy metal housing and high protection

rating (IP 67) make this series suitable for heavy-duty applications in the automotive industry.

Due to the special design of the insertion head with an engagement for the actuating key, the safety switch is ideal for applications where heavy guards prevent misalignment problems.



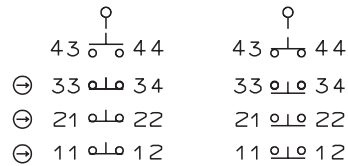
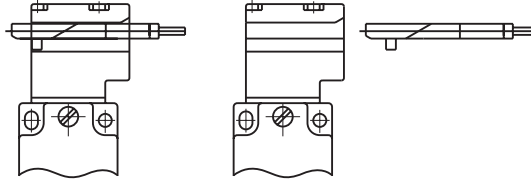
Drawings



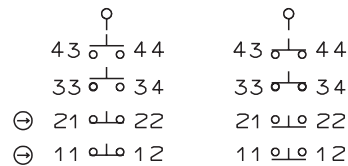
Technical specifications

	i110 S
Housing material	die-cast zinc
Environmental protection to IEC 60 529	IP 67
Mechanical service life	10 ⁶ switching cycles
Ambient temperature	-20...80° C
Mounting position	optional
Connection type	M 20
Approach speed (max.)	1 m/s
Actuating force (min.)	12 N
Frequency of use	2 cycle/second
Contact elements positively guided (NC/NO)	3/1 or 2/2
Rated insulation voltage	U _i = 250 V $\bar{=}$
Utilization category to IEC 60 947-5-1	AC 15/AC: 2A (250 V), 5A (100 V) DC 13/DC: 2A (250 V), 2A (24 V)
Switching voltage (min.)	5 V
Switching current (min.) at 5 V	5 mA
Wire cross-section	1 x 1.5 mm ²
Short-circuit protection	slow 10A/10A
Weight	0.52 Kg
Certifications	CE, cULus

Switching elements



**3 NC to forced opening
positive + 1 NO**



**2 NC to forced opening
positive + 2 NO**

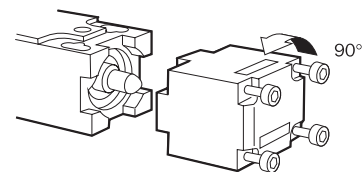
Installation notes

The safety switch and actuator must be assembled for installation purposes. The actuator must be permanently secured to the safety device such that it can no be detached, e.g., with unscrewable screws, rivets or welding. The safety switch should not be used as a mechanical stop plate.

Any unused slots should be covered with the appropriate supplied covers.

Direction of insertion

- Once the 4 screws are removed, the head can be rotated according to individual requirements.



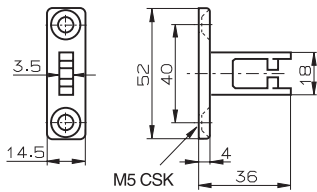
If broken, safety switch should be replaced

Product selection table

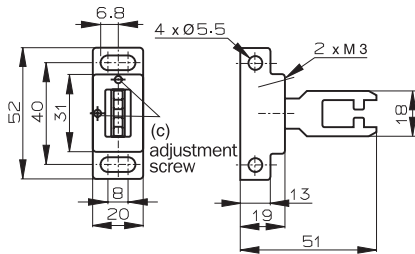
Model	Separate Actuator Key	Switching elements		Connector M 20	Part number
		NC	NO		
i 110-	SA	3	1	3	6 025 073
i 110-	SA	2	2	3	6 025 074

We recommend contacting Customer Service for product selection

Accessories



Straight actuator iE110-S1
Part number 5 311 134



Actuator flexible iE 110-F1
Part number 5 311 135