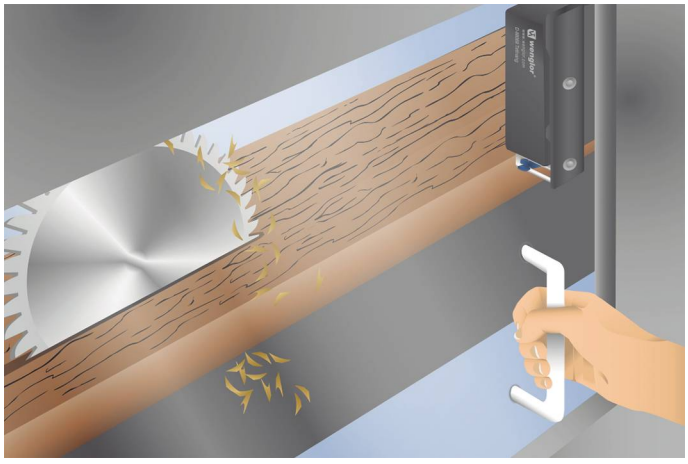
Safety Switch with Lock Function

Electromechanic, Power to Unlock Principle

S2FP101

- **Locking force of 1150 N**
- **Performance Level: Cat. 4 PL e**
- **Power to unlock principle**

The electromechanical safety switch with lock function is distinguished by a high locking force of 1150 N. This means that only one safety switch with locking function is required to attain the Cat. 4 PL e safety level (EN ISO 13849-1). The safety level, as well as the response time and risk time, remain unchanged when connected in series. Extensive diagnosis functions enhance system availability and simplify installation and maintenance. The unique star handle operating concept is especially well-suited for rotary and sliding doors.



Electrical Data	
Sensor Type	Locking unit
Response Time	≤ 100 ms
Risk time	≤ 200 ms
Temperature Range	0...60 °C
Storage temperature	-10...90 °C
Safety Output	OSSD
Number of safety outputs (OSSDs)	2
PNP Safety Output/Switching Current	250 mA
Number of Signal Outputs	1
PNP signal output switching current	50 mA
Short Circuit Protection	yes
Protection Class	III
Mechanical Data	
Housing Material	Plastic
Degree of Protection	IP66
Degree of Protection	IP67
Degree of Protection	IP69
Connection	M12 × 1; 8-pin
Latching Force, typical	25 / 50 N
Safety-relevant Data	
Operating principle	RFID
Coding	Standard
Safety Category (EN ISO 13849-1)	4
Performance Level (EN ISO 13849-1)	PL e
PFHD	5,20 × E-10 1/h
Safety Integrity Level (EN 61508)	SIL 3
PDDB (EN 60947-5-3)	yes
Locking Device	Power to unlock principle
Locking force F (Zh)	1150 N
Function	
Series Connection	yes
Actuator monitored	yes
Mechanical Detent Mechanism	yes
Detent Mechanism	yes
Auxiliary release	yes
Connection Diagram No.	
Suitable Connection Equipment No.	89
Suitable Mounting Technology No.	850

* For locking function

Complementary Products

Safety Relay SR4B3B01S, SR4D3B01S
Software

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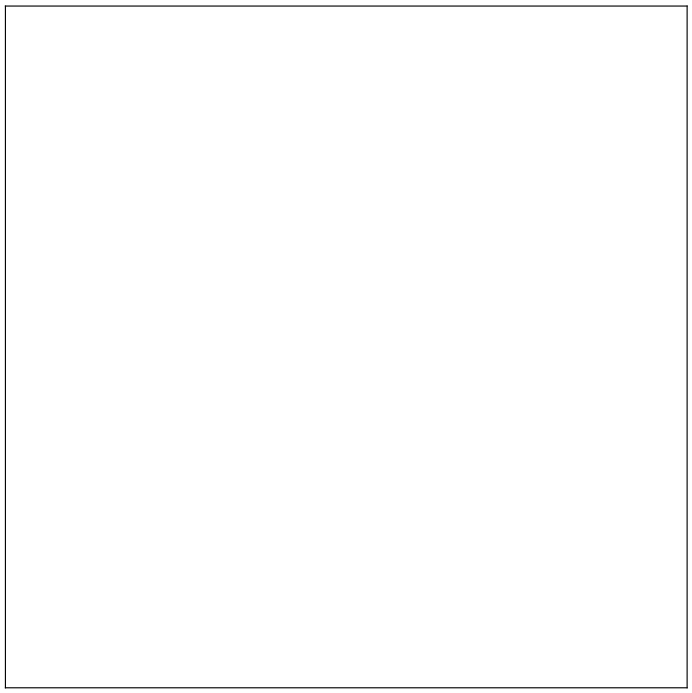
the innovative family



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