



SSP

Safety System Products

SAFIX LPZ-M-QC-M12

RFID safety sensor, pigtail, highly coded

Your advantages

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Safety System Products

SAFIX LPZ-M-QC-M12

General data

Item number	402004
Type designation	SAFIX LPZ-M-QC-M12
Functional type	RFID Safety Sensor
Service life TM (EN ISO 13849-1)	20 Years
Coding levels	Hoch (EN ISO 14119)

Safety data

Approvals	TÜV_SÜD, CE, UL
Performance Level (EN ISO 13849)	PLe
Category (EN ISO 13849-1:2015)	Kat. 4
MTTFd (ISO 13849-1) years	771 years
Diagnostic coverage DC	High
SIL (acc. IEC 62061)	SIL3
PFH (1/h) (IEC62061)	1.0 E-09
PFD (IEC62061)	8.7 E-05
Proof Test Interval T1 (IEC62061)	20 years

Environmental conditions

Protection class	IP67
Max. operating temperature	-20° ... +55 °C
Max. storage temperature	-25° ... +80 °C

Electrical data

Design / Connections	Pigtail 250 mm cable, M12 8-pin male connector
Rated operating voltage Ue	24 V DC -15% +10% SELV/PEVL V
Power consumption	0,7 W
Outputs Rated voltage	24 V DC
Outputs Max. Current	0,2 A
Outputs Min. current	1 mA
Outputs Type	OSSD, PNP
Inputs rated voltage	24 V DC



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Inputs Rated current	2 mA
Auxiliary signaling output Rated voltage	24 V DC
Auxiliary signaling output Max. Current	0,2 A
Signaling output Type	PNP
Response time safety door open	60 ms max.
Switch-off response time Inputs	20 ms max.
Dielectric strength	250 V .ac
Insulation resistance	100 Mohms

pin assignment with SSP accessories cable

WH	Safety output 1
BN	+24 V DC
GN	0 V DC
YE	Safety input 2
GY	Not used
PK	Safety output 2
BU	Safety input 1
RD	Auxiliary signal output (+24 V DC)

Mechanical data

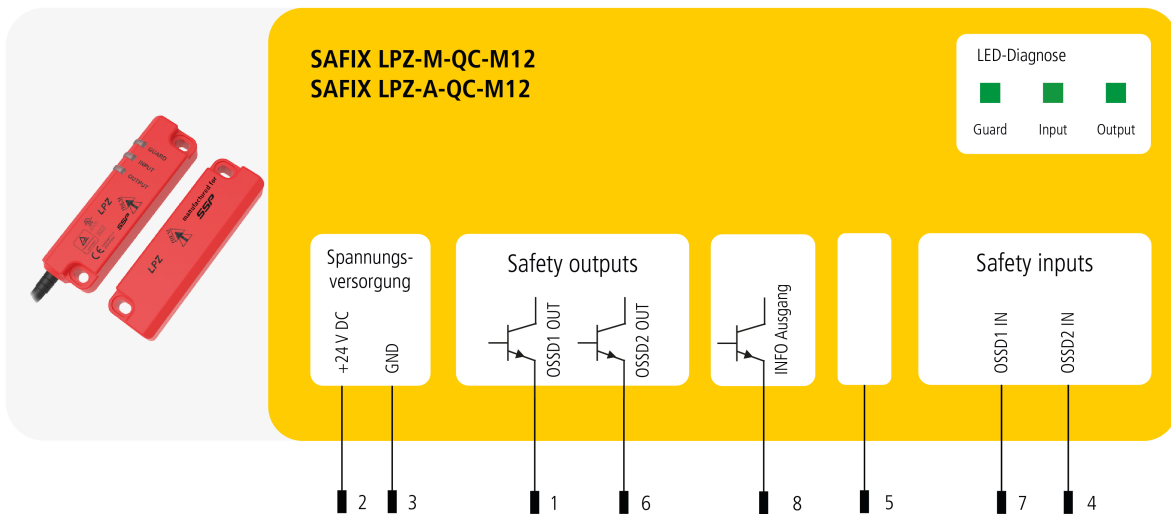
Dimensions

Width	26 mm
Length	91 mm
Height	16 mm
Housing material	Polyester
Assured switching distance ON S(ao)	8 mm
Assured switching distance OFF S(ar)	20 mm
Typical switching distance S(n)	12 mm
Recommended adjustment gap	5 mm
Tolerance to misalignment	+/- 5 mm in each direction from 5 mm setting gap

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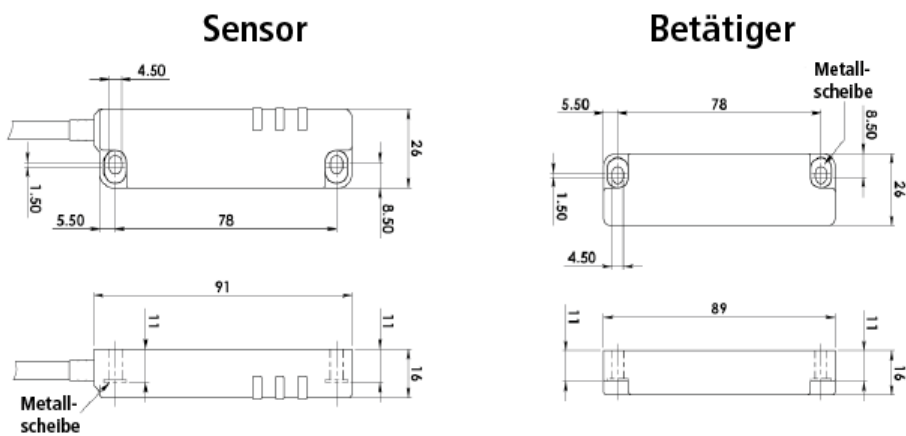
Electrical drawings

Connection example 1



Drawings

Dimensions








Equipment




Accessories

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M12-female connector, 8 pin, 10 m	C8D10	SP-R-13-309-81	
M12-female connector, 8 pin, 15 m	C8D15	SP-R-13-309-82	
M12-female connector, 8 pin, 25 m	C8D25	SP-R-13-309-67	
M12-female connector, 8 pin, 40 m	C8D40	SP-R-13-309-66	
M12-female connector, 8 pin, 5 m	C8D5	SP-R-13-309-80	

Safe control technology

	MOSAIC M1	SP-R-11-000-00	
Standard safety relay 1 safety function	S2 series	SP-K-70-001-00	
Time delay safety relay 1 safety function	T2 series	SP-K-70-001-02	

SAFIX LPZ-M-QC-M12

Multi-function safety relay 2 safety functions

X2 series

SP-K-70-001-03



Downloads

- Operating manual
- CAD Data
- Certificate