



SSP

Safety System Products

SAFIX LPZ-M-10M

RFID safety sensor, 10 m cable, high coded

Your advantages

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Safety System Products

SAFIX LPZ-M-10M

- Risk time of only 60 ms
- High mounting tolerance of +/- 5 mm from each side
- Secured switching distance Sao 8 mm
- Secured switching distance Sar 20 mm
- IP69K

General data

Item number	402003
Type designation	SAFIX LPZ-M-10M
Functional type	RFID Safety Sensor
Service life TM (EN ISO 13849-1)	20 Years
Coding levels	High (EN ISO 14119)

Safety data

Approvals	TÜV_SÜD, CE, UL
Performance Level (EN ISO 13849)	PL _e
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

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

Electrical data

Design / Connections	10 m fixed cable with open end
Rated operating voltage U _e	24 V DC -15% +10% SELV/PEVL V
Power consumption	0,7 W
Outputs Rated voltage	24 V DC



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Outputs Max. Current	0,2 A
Outputs Min. current	1 mA
Outputs Type	OSSD, PNP
Inputs rated voltage	24 V DC
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

OG	Auxiliary signal output (+24 V DC)
BN	Not in use
YE	Safety input 1
GN	Safety output 1
BK	Safety input 2
WH	Safety output 2
RD	+24 V DC
BU	0 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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LED diagnostics

Advanced LED diagnosis

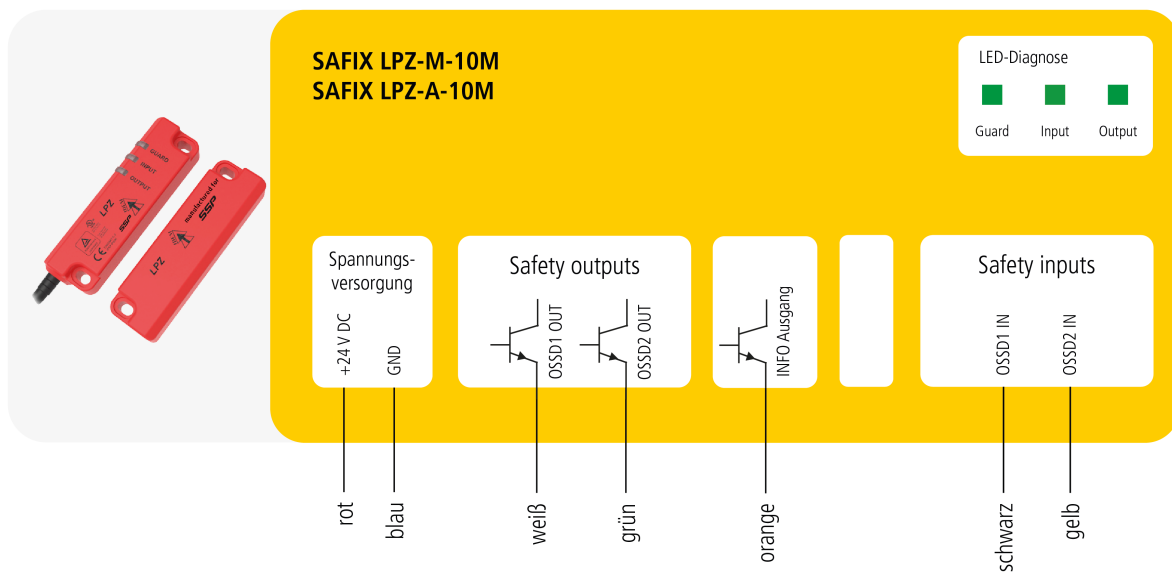
Green	Red	GUARD LED
on 	off 	Guard closed
off 	flashes 	Code incorrect
off 	on 	Guard open
Green	Red	INPUT LED
on 	off 	Safety inputs on
flashes 	off 	Safety input missing
off 	off 	Safety inputs off
off 	on 	Internal fault

Green	Red	OUTPUT LED
on 	off 	Safety outputs on
flashes 	off 	Safety outputs missing
off 	flashes 	External fault

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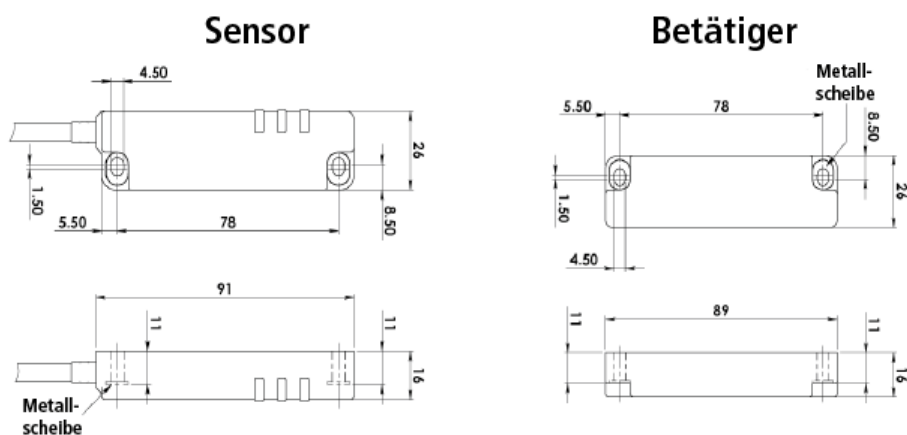
Electrical drawings

Connection example 1



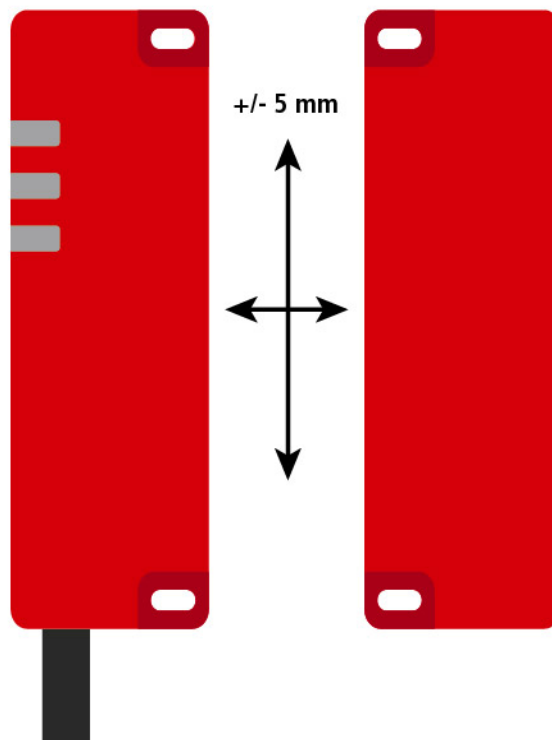
Drawings

Dimensions



SAFIX LPZ-M-10M

Switching gap



Equipment

Safe control technology

MOSAIC M1

SP-R-11-000-00



Standard safety relay 1 safety function

S2 series

SP-K-70-001-00



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SAFIX LPZ-M-10M

Time delay safety relay 1 safety function

T2 series

SP-K-70-001-02



Multi-function safety relay 2 safety functions

X2 series

SP-K-70-001-03



Downloads

- Operating manual
- CAD Data
- Certificate
- Catalog