



SSP

Safety System Products

SAFIX LPZ-M-QC-M12

RFID safety sensor, pigtail, highly coded

Your advantages

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SAFIX LPZ-M-QC-M12

- 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

General data

Item number	1006035
Item number (old)	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)	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	Pigtail 250 mm cable, M12 8-pin male connector
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 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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LED diagnostics

Advanced LED diagnosis

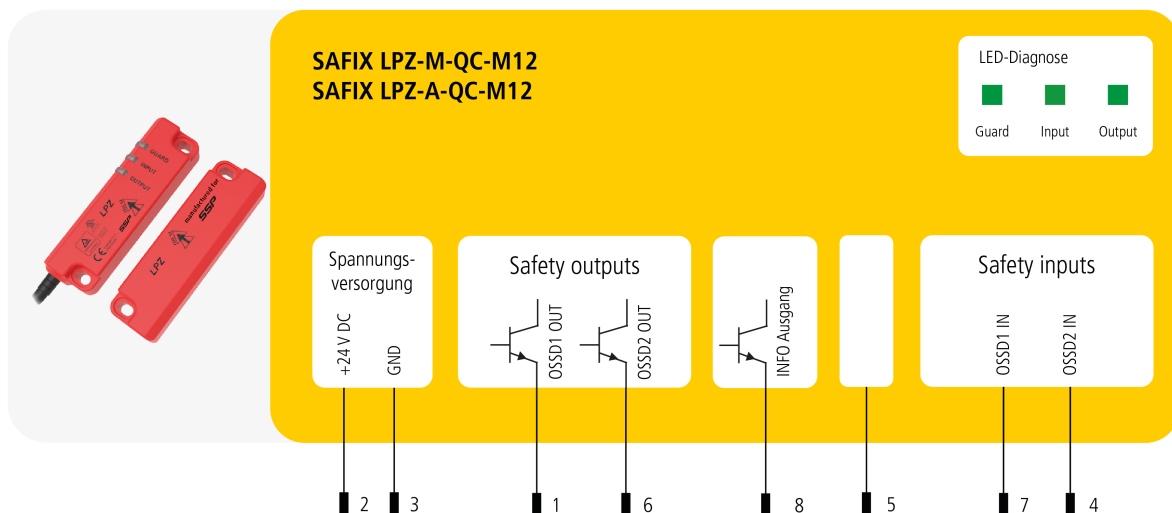
Green	Red	GUARD LED
on 	off 	Guard closed
off 	flashes 	Code incorrect
off 	on 	Guard open
Green	Red	INPUT LED
on 	off 	Safety inputs on
flashes 	off 	Safety input missing
off 	off 	Safety inputs off
off 	on 	Internal fault

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

SAFIX LPZ-M-QC-M12

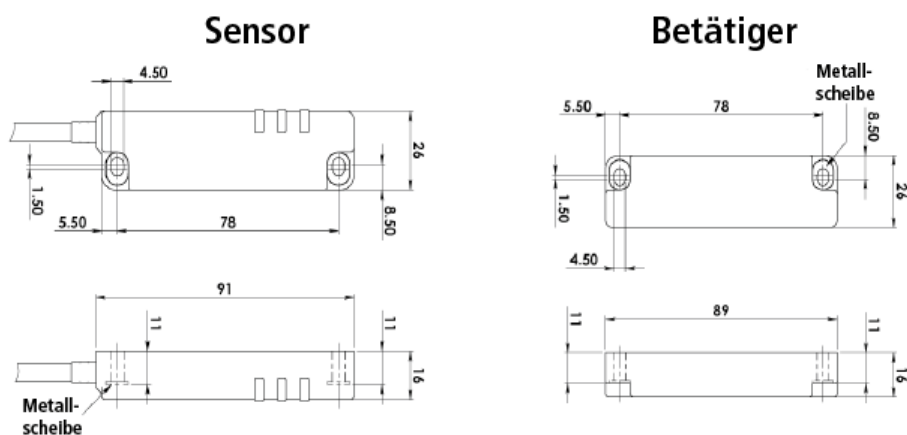
Electrical drawings

Connection example 1



Drawings

Dimensions



Equipment

Accessories

SAFIX LPZ-M-QC-M12

M12-female connector, 8 pin, 10 m	C8D10	1021397	
M12-female connector, 8 pin, 15 m	C8D15	1021398	
M12-female connector, 8 pin, 25 m	C8D25	1021390	
M12-female connector, 8 pin, 40 m	C8D40	1021389	
M12-female connector, 8 pin, 5 m	C8D5	1021396	

Safe control technology

	MOSAIC M1	1019811	
Standard safety relay 1 safety function	S2 series	1019455	
Time delay safety relay 1 safety function	T2 series	1019456	

SAFIX LPZ-M-QC-M12

Multi-function safety relay 2 safety functions

X2 series

1019457



Downloads

- Operating manual
- CAD Data
- Certificate
- Catalog