



SSP
Safety System Products

HOLDX S1-W3-A-P SET

SET HOLDX S1 process lock with RFID safety sensor

Your advantages

- Compact process lock
- 500 N locking force
- RFID sensor
- LED diagnosis
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To the downloads ►

we simplify safety

HOLDX S1-W3-A-P SET

The new SAFIX 3 RFID safety sensor impresses due to its compact design and a hole distance of 22 mm. It can be actuated from the front and both sides and is available in 3 different versions with a choice of low level or high level coding according to EN ISO 14419. The sensor has protection class IP69K, holds an ECOLAB approval and can either be purchased with an M12, 8-pole pigtail cable or a fixed cable length of 5 or 10 metres.

Thanks to its OSSD output signals, the sensor can be connected to all standard control and safety relays. A total of up to 30 sensors can be switched in series. An information signal and a three colour LED display on the sensor are provided for diagnosis purposes.

General data

Type designation	HOLDX S1-W3-A-P SET
Functional type	RFID safety sensor
Item number	1027891
Item number (old)	SP-X-73-000-52

Safety-relevant data SAFIX 3

Service life TM (EN ISO 13849-1)	20 Years
Coding levels	Standard

Safety data

PFHd (EN ISO 13849)	$2,24 \times 10^{-9}$
Category (EN ISO 13849-1:2015)	cat. 4
SIL (acc. IEC 62061)	SIL3, SILCL3
Approvals	TÜV_SÜD, CE

Environmental conditions

Max. storage temperature	-25... +70 °C
Max. operating temperature	-25... +70 °C
Contamination level	2

Electrical data

Rated impulse withstand voltage Uimp	1000 V kV
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HOLDX S1-W3-A-P SET

Overvoltage category	II
Electrical service life (nominal load)	20 Years
Design / Connections	10 m fixed cable with pigtail
Contact type	OSSD
Supply voltage	U _e : 24 VDC – 15%/+ 10% (PELV according to 60204-1) V
Rated insulation voltage U _i	50 V
Power consumption in ambient conditions	23,75 W
No-load current I ₀	(not activated) 10 mA / (activated) 30 mA
Switching frequency	HOLDX: 1 kHz; SAFIX: 3
- Solenoid control	IN, Pin 8
LED lighting	3 Colors
Connection type	Cable
Series connection	30
Utilisation category	D-12/DC-13
Rated operating current I _Δ	0,6 A
Rated operating voltage U _e	24 V
Power consumption in ambient conditions	6,4 W
Switching frequency	HOLDX: 1 kHz SAFIX: 3 Hz Hz
No-load current I ₀	HOLDX: max. 300 mA SAFIX: 10 mA (disactivated)/30 mA (activated)

Mechanical data

Width	40 mm
Length	85 mm
Mounting	screw connection with M4 screws

Locking force F_{max}

-typical	500
- guaranteed	30
Height offset	+/- 2,5
Lateral offset	+/- 2,5
Electric magnet material	Aluminium, hard anodised
Anchor plate material	Steel, nickel-plated

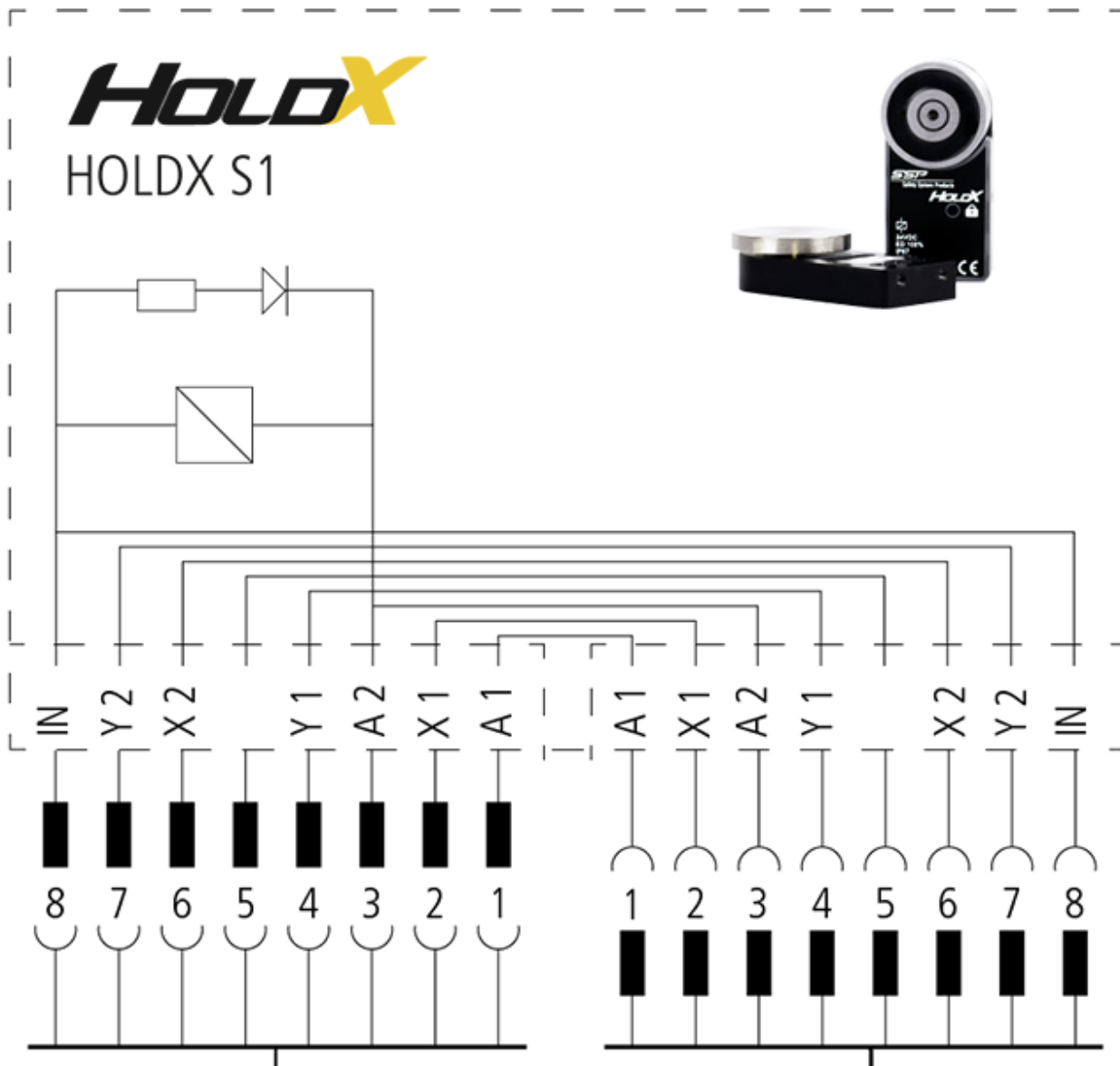
HOLDX S1-W3-A-P SET

Shock resistance	30 g/11 ms
Vibration resistance	Amplitude 1 mm, 10 ... 55 Hz
Switching distance S _n	12 mm
Assured switching distance ON S _(ao)	8 mm
Hysteresis	2 mm
Repeat accuracy R	< 0,5 mm
Mechanical service life	>10 ⁷ switching processes switching cycles
Width of anchor plate	40 mm
Length of anchor plate	87,5 mm
Height of anchor plate	22 mm
Height	49 mm

Electrical drawings

HOLDX S1-W3-A-P SET

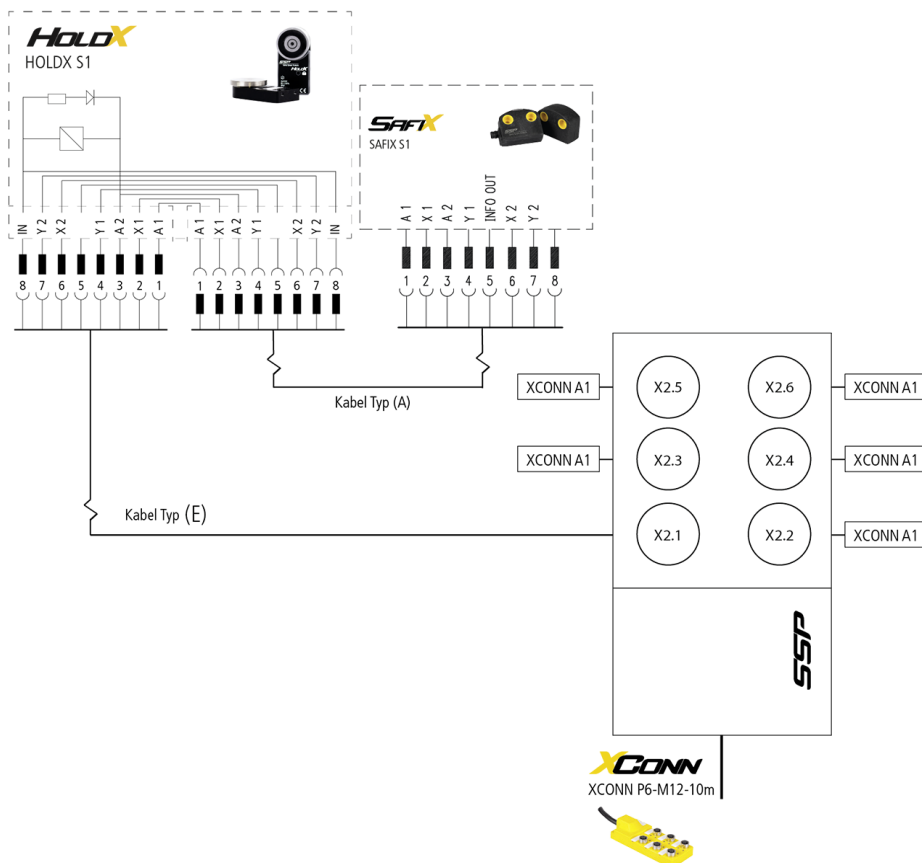
Connection example 1



HOLDX S1-W3-A-P SET

Connection example 2

Verdrahtungskonzept SAFIX, HOLDX S1 & XCONN



Equipment

Accessories

M12-female connector, 8 pin, 10 m

C8D10

1021397



M12-female connector, 8 pin, 15 m

C8D15

1021398



HOLDX S1-W3-A-P SET

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



M8-M12-connecting cable, 8 pin, 0,15 m

M8-M12-C80153-VG

1022360



M8-M12-connecting cable, 8 pin, 10 m

M8-M12-C8103-G

1022359



M8-M12-connecting cable, 8 pin, 1 m

M8-M12-C813-G

SP-X-33-000-14



M8-M12-connecting cable, 8 pin, 2 m

M8-M12-C823-G

SP-X-33-000-15



Safe control technology

MOSAIC M1

1019811



HOLDX S1-W3-A-P SET

Standard safety relay 1 safety function

S series

SP-S-00-001-01



Time delay safety relay 1 safety function

T series

SP-S-00-002-01



Safety switches

RFID Safety Sensor, low coded, EDM, autom. reset,

SAFIX S3-A-10M

1019322

10m



RFID Safety Sensor, low coded, EDM, autom. reset,

SAFIX S3-A-5M

1019323

5m



RFID safety sensor, low coded, EDM, autom. reset,

SAFIX S3-A-P

1019318

Pigtail



RFID Safety Sensor, low coded, EDM, man. reset,

SAFIX S3-X-10M

1019324

10m



RFID Safety Sensor, low coded, EDM, man. reset,

SAFIX S3-X-5M

1019325

5m



HOLDX S1-W3-A-P SET

RFID Safety Sensor, low coded, EDM, man. Reset, Pigtail	SAFIX S3-X-P	1019319	
RFID Safety Sensor, high coded, EDM, autom. reset, 10m	SAFIX Set I3-A-10M	1019330	
RFID Safety Sensor, high coded, EDM, autom. reset, 5m	SAFIX Set I3-A-5M	1037225	
RFID Safety Sensor, high coded, EDM, autom. reset, Pigtail	SAFIX Set I3-A-P	SP-E-76-000-33	
RFID Safety Sensor, high coded, EDM, man. reset, 10m	SAFIX Set I3-X-10M	SP-E-76-000-50	
RFID Safety Sensor, high coded, EDM, man. reset, 5m	SAFIX Set I3-X-5M	SP-E-76-000-52	
RFID Safety Sensor, high coded, EDM, man. reset, Pigtail	SAFIX Set I3-X-P	SP-E-76-000-34	
Standard-Actuator for SAFIX 3	SAFIX T5	1019317	

HOLDX S1-W3-A-P SET

Flat actuator for SAFIX 3	SAFIX T6	1019331	
RFID Safety Sensor, high coded, EDM, autom. reset, 10m	SAFIX W3-A-10M	1019326	
RFID Safety Sensor, high coded, EDM, autom. reset, 5m	SAFIX W3-A-5M	1019327	
RFID Safety Sensor, high coded, EDM, autom. reset, Pigtail	SAFIX W3-A-P	1019320	
RFID Safety Sensor, high coded, 4-pin, Pigtail	SAFIX W3-A-P4	1019332	
RFID Safety Sensor, high coded, 4-pin, Pigtail 5 cm	SAFIX W3-A-P4-5cm	1019333	
RFID Safety Sensor, high coded, EDM, man. reset, 10m	SAFIX W3-X-10M	1019328	
RFID Safety Sensor, high coded, EDM, man. reset, 5m	SAFIX W3-X-5M	1019329	

HOLDX S1-W3-A-P SET

RFID Safety Sensor, high coded, EDM, man. reset,

SAFIX W3-X-P

1019321



Pigtail

Downloads

- Software Gateway
- Product line
- Catalog
- Catalog packaging systems
- EPLAN-Data