



SSP

Safety System Products

HOLDX S1-S3-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



To the downloads ►

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HOLDX S1-S3-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-S3-A-P SET
Functional type	Magnetic process lock with RFID safety sensor
Item number	SP-X-73-000-51

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)	Kat. 4
SIL (acc. IEC 62061)	SIL3, SILCL3
Approvals	TÜV_SÜD, CE

Environmental conditions

Max. storage temperature	-25 ... +70 °C
Max. operating temperature	-20... +50 °C
Contamination level	3

Electrical data

Electrical Data SAFIX 3	
Overvoltage category	III



Safety System Products

HOLDX S1-S3-A-P SET

Rated impulse withstand voltage Uimp	1000 V kV
Electrical service life (nominal load)	20 Years
Design / Connections	M12 male connector, 8-pin / Safety sensor: M12 female connector, 8-pin
Contact type	OSSD
Rated operating voltage Ue	24 V V
Supply voltage	Ue: 24 VDC – 15%/+ 10% (PELV according to 60204-1) V
Rated insulation voltage Ui	50 V
Power consumption in ambient conditions	6,4 W
No-load current I0	HOLDX: max. 300 mA SAFIX: (not activated) 10 mA / (activated) 30 mA
Max. voltage (VDC)	1 A
Switching frequency	HOLDX: 1 kHz SAFIX: 3
- Solenoid control	IN, Pin 8
LED lighting	3 colors
Connection type	Cable
Risk time (safe switch-off time) (also with series connection)	DC-13 ms
Series connection	30
Rated operating current I□	0,6 A
Utilisation category	DC-13
Rated operating voltage Ue	24 V

Electrical data HOLDX S1

Power consumption in ambient conditions	6,4 W
Switching frequency	1000 Hz
No-load current I0	max. 300 mA

Mechanical data

Width	40 mm
Length	85 mm

Locking force Fmax

-typical	500 N
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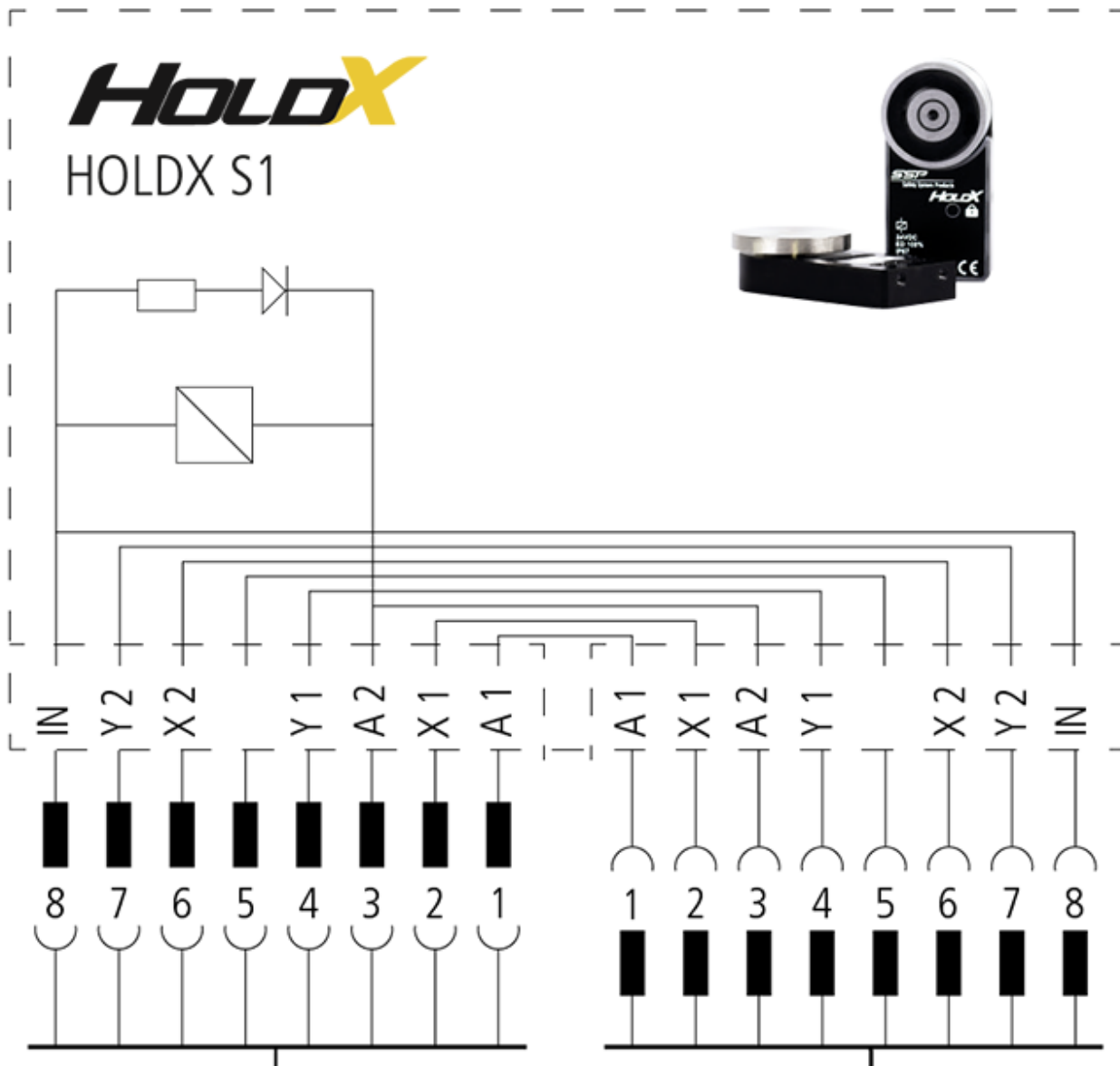
HOLDX S1-S3-A-P SET

- guaranteed	30 N
Height offset	± 2,5 mm
Lateral offset	± 2,5 mm
Housing material	HOLDX: Aluminium, hard anodised SAFIX: PBT
Electric magnet material	Aluminium, hard anodised
Anchor plate material	Steel, nickel-plated
Shock resistance	30 g/11 ms
Vibration resistance	10-55 MHz Hz
Switching distance S _n	12 mm
Assured switching distance ON S _(ao)	8 mm
Assured switching distance OFF S _(ar)	18 mm
Hysteresis	2 mm
Repeat accuracy R	< 0,5 mm
Mechanical service life	>10 ⁷ switching processes switching cycles
Dimensions of anchor plate	
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-S3-A-P SET

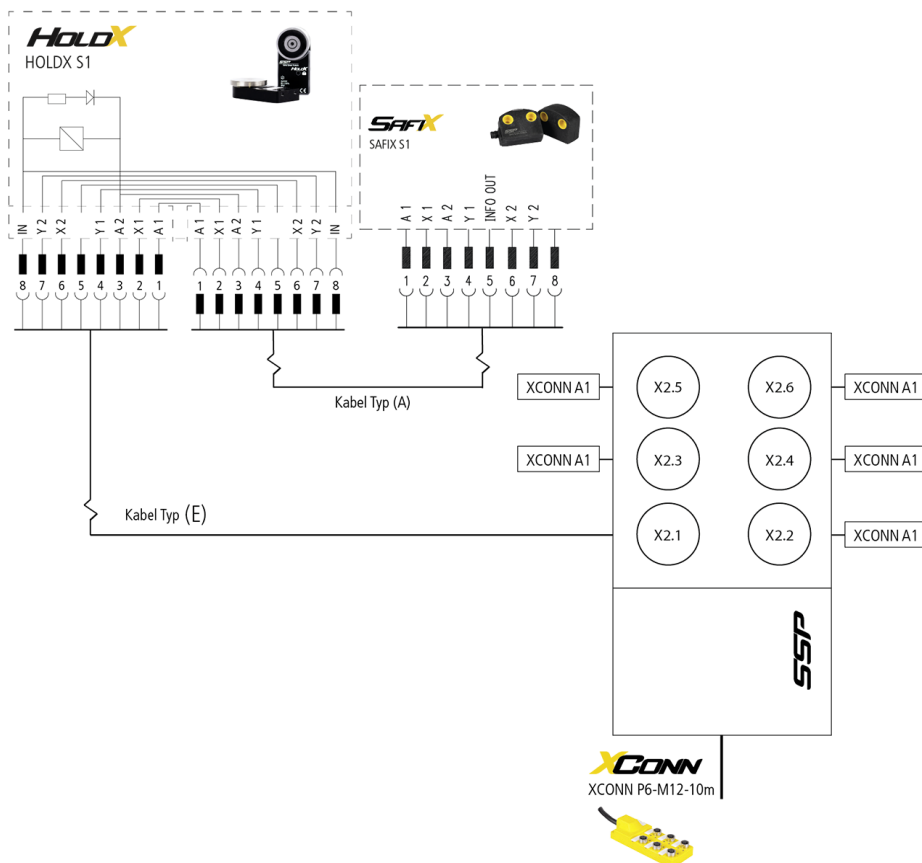
Connection example 1



HOLDX S1-S3-A-P SET

Connection example 2

Verdrahtungskonzept SAFIX, HOLDX S1 & XCONN



Equipment

Accessories

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



HOLDX S1-S3-A-P SET

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



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

M8-M12-C80153-VG

SP-X-33-000-18



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

M8-M12-C8103-G

SP-X-33-000-17



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

SP-R-11-000-00



Safety switches

HOLDX S1-S3-A-P SET

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

SAFIX S3-A-10M

SP-E-76-000-08

10m



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

SAFIX S3-A-5M

SP-E-76-000-10

5m



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

SAFIX S3-A-P

SP-E-76-000-01

Pigtail



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

SAFIX S3-X-10M

SP-E-76-000-12

10m



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

SAFIX S3-X-5M

SP-E-76-000-14

5m



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

SAFIX S3-X-P

SP-E-76-000-02

Pigtail



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

SAFIX Set I3-A-10M

SP-E-76-000-46

10m



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

SAFIX Set I3-A-5M

SP-E-76-000-48

5m



HOLDX S1-S3-A-P SET

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

SAFIX Set I3-A-P

SP-E-76-000-33



Pigtail

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

SAFIX Set I3-X-10M

SP-E-76-000-50



10m

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

SAFIX Set I3-X-5M

SP-E-76-000-52



5m

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

SAFIX Set I3-X-P

SP-E-76-000-34



Pigtail

Standard-Actuator for SAFIX 3

SAFIX T5

SP-E-76-000-00



Flat actuator for SAFIX 3

SAFIX T6

SP-E-76-000-61



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

SAFIX W3-A-10M

SP-E-76-000-24



10m

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

SAFIX W3-A-5M

SP-E-76-000-26



5m

HOLDX S1-S3-A-P SET

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

SAFIX W3-A-P

SP-E-76-000-05



Pigtail

RFID Safety Sensor, high coded, 4-pin, Pigtail

SAFIX W3-A-P4

SP-E-76-000-62



RFID Safety Sensor, high coded, 4-pin, Pigtail 5 cm

SAFIX W3-A-P4-5cm

SP-E-76-000-63



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

SAFIX W3-X-10M

SP-E-76-000-28



10m

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

SAFIX W3-X-5M

SP-E-76-000-30



5m

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

SAFIX W3-X-P

SP-E-76-000-06



Pigtail

Time delay safety relay 1 safety function

T series

SP-S-00-002-01



HOLDX S1-S3-A-P SET

Passive distributor

XCONN P6-M12-5m

SP-X-71-000-00



Downloads

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