



SSP

Safety System Products

HOLDX L2

Magnetic process lock

Your advantages

- 1200 N locking force
- Fixing force provided by 30 N permanent magnet
- Can be combined with contactless SAFIX safety sensor (PLe)
- Easy and quick installation
- No wear
- Expanded diagnosis function (contamination) including functional components for the SPS
- LED diagnosis
- Protection class IP 67
- Easy wiring with the XCONN passive distributor



To the downloads ►

we simplify safety

HOLDX L2

The HOLDX magnetic process lock can identify any loss in locking force, e.g. due to contamination, in good time thanks to the integrated diagnosis function that utilises an aperiodic magnetic flow meter. Errors can thus be rectified before they even occur.

SSP offers ready-to-use components for the SPS programming. Thanks to its slimline design, it can be easily and quickly installed on aluminium profile systems. Due to its locking force of more than 1200 N, protection class of IP67 and LED display, the process lock is thus perfect for providing process protection on access doors.

The LED has been designed so that it can be viewed from all sides and even through a closed door. Using a Y-connector and with the aid of the XCONN passive distribution system, the HOLDX can also be used in combination with the contactless SAFIX SSP safety sensor. This enables secure locking (PLe according to EN ISO 13849-1) with simultaneous process protection. Depending on the version, the connection is achieved using an M12 connector with either 5 pins (HOLDX L1) or 8 pins (HOLDX L2).

General data

Type designation	HOLDX L2
Functional type	Magnetic process lock
Item number	SP-X-73-001-10
Service life TM (EN ISO 13849-1)	20 Years

Environmental conditions

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

Electrical data

Overvoltage category	III
Design / Connections	M12 male connector, 8-pin
Rated operating voltage Ue	-3 V ... +5 V(Low) / +15 V ... +30 V(High) V
Supply voltage	DC – 15%/+ 10% (PELV gemäß 60204-1) 24 V
Rated insulation voltage Ui	± 4 k V

HOLDX L2

No-load current I ₀	max. 300 mA
Connection type	Sourcing output, short-circuit proof
Rated operating current I _□	24 V/ max. 40 mA / < 2 m A
Utilisation category	DC-13

pin assignment with SSP accessories cable

1	A1 Ue
2	OUT1 diagnostic output
3	A2 GND
4	IN 1 safety sensor input
5	IN 2 solenoid on input

Mechanical data

Width	24,4 mm
Length	257,0 mm

Locking force F_{max}

-typical	1500 N
- guaranteed	1200 N
Fixing force	30 N
Height offset	± 2,5 mm
Lateral offset	± 2,5 mm
Housing material	Aluminium, hard anodised
Electric magnet material	Aluminium, hard anodised
Anchor plate material	Steel, nickel-plated
Shock resistance	30 g/11 ms
Vibration resistance	10-55 M Hz
Recommended safety sensor	SAFIX
Mechanical service life	>10 ⁷ switching cycles
Width of anchor plate	34,0 mm
Length of anchor plate	130,0 mm
Height of anchor plate	9,1 mm

Dimensions

Height	22,2 mm
--------	---------

Equipment

Accessories

HOLDX L2

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	

Safety switches

HOLDX L2

RFID Safety Sensor, high coded, autom. reset, M8	SAFIX I1	SP-K-70-000-01	
RFID Safety Sensor, lowcoded, autom. reset, M8	SAFIX S1	SP-K-70-000-00	
Standard-actuator for SAFIX 1	SAFIX T3	SP-K-70-000-03	
Flat actuator for SAFIX 1	SAFIX T4	SP-K-70-000-04	
RFID Safety Sensor, high coded (reteach.), autom. reset, M8	SAFIX W1	SP-K-70-000-02	
Bridging plug	XCONN A1	SP-X-71-000-03	
Passive distributor	XCONN P6-M12-10m	SP-X-71-000-04	
Passive distributor	XCONN P6-M12-M23	SP-X-71-000-01	

HOLDX L2

Passive distributor

XCONN P6-M12-5m

SP-X-71-000-00



Downloads

- Software Gateway
- CAD-Data
- Product line
- Catalog
- EPLAN-Data