



SSP

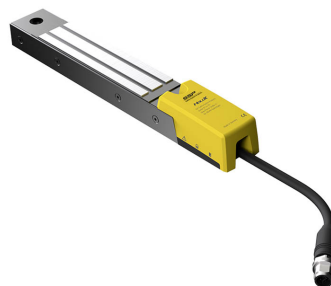
Safety System Products

HOLDX RL1-P8-W-B-S0131

Magnetic guard lock individual, reteachable coding, special wiring MAGNE 4, Pigtail M12 8-pin, 1200 N locking force

Your advantages

- PLe according to EN 13849-1
- High Coded according to EN 14119
- From little windows up to big safety doors
- Shortest commisioning time
- Pigtail connection reduces cabling effort
- Less down- and setup time, due to maintenance Monitoring
- High tolerance for door offsets
- Easy replacement through pinout with compatibility with Magne 4
- Optional: Static info output (factory setting) or (selectable via app) pulsed, smart diagnostics output
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To the downloads ►

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HOLDX RL1-P8-W-B-S0131

Ideal for large doors. Thanks to the locking force of **1200 N**, the **HOLDX RL** prevents doors from being torn open. With a slim width of only 35 mm, the guard locking is ideal for space-saving mounting on aluminum profile systems. In addition to the guard locking force of the electromagnet, the flexibly mounted armature plate also has a 50 N permanent magnet that prevents a door from immediately bursting open. The integrated RFID security sensor meets the highest **performance level PLe according to EN ISO 13849-1:2016**. An integrated **Bluetooth interface** and the extended LED diagnostics enable smart operation as well as fast diagnostics.

HOLDX R User Tutorials Our HOLDX R User Tutorials are now available as a playlist on YouTube! Our product manager Rico Czernig explains topics like the subsequent magnet calibration or diagnostic data. Have a look at the playlist for HOLDX RL and RS, as well as for our HOLDX Manager!

General data

Type designation	RL1-P8-W-B-S0131
Item number	SP-X-71-001-48
Coding levels	Individually

Safety relevant data

Category (EN ISO 13849-1: 2015)	Cat.4
SIL (IEC 61508: 2010)	SIL3
- Hardware fault tolerance	HFT1
- PFHd	$2,24 \times 10^{-9}$
Service life (EN IEC 62061)	20 Years
Switching current per safety output max.	100 mA (DC-12/DC-13)

Safety data

Performance Level (EN ISO 13849-1: 2015)	PLe
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HOLDX RL1-P8-W-B-S0131

Environmental conditions

Max. storage temperature	-20 °C...+70 °C
Max. operating temperature	-20 °C...+55 °C
ΔT max	0,5 °C/ min

Electrical data

Supply voltage	24 VDC (+10/-15%)
Rated impulse withstand voltage Uimp	1 kV
Power consumption (incl. OSSD outputs)	17 W
Rated current (on 24 VDC)	645 mA
No-load current I0	60 mA
Amount safety inputs	1x 2-channels
Current consumption per input max.	2,75 mA
Current consumption input magnet ON	1,2 mA
Voltage drop safety output (Ud)	0,75 V
Amount OSSD safety output	1x 2-channels
Safety output - output type	Transistor (PNP)
Residual current safety output (Ir)	0,5 mA
Load capacitive reactance safety output max.	20 nF
Amount diagnosis output	1
Diagnosis output- output type	Transistor (PNP)
Connection type	(Version HOLDX RL1-8P) M12 8-pin, Pigtail 200 mm
Series connection for safe In- and Outputs	max. 30 process locks
Protection class power supply	III
Switching current per diagnosis output max.	100 mA
Design / Connections	1x Pigtail 8-pin
Risk time	75 ms

Mechanical data

Dimensions

Width	34 mm
Length	(without cable) 239,6 mm



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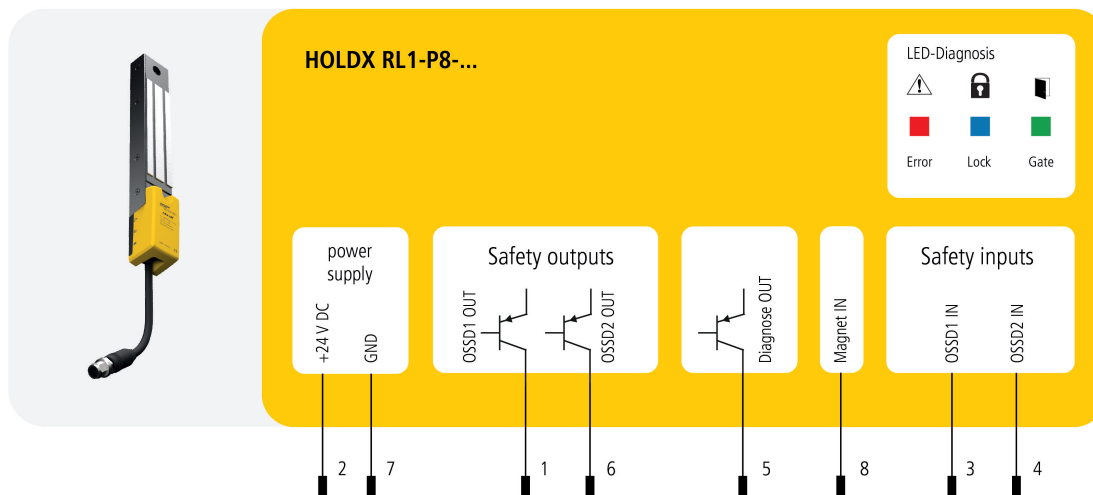
Height	31,1 mm
Dimensions of anchor plate	
Width of anchor plate	34,4 mm
Length of anchor plate	224,1 mm
Height of anchor plate	20,1 mm
Locking force electromagnet	1200 N
Permanent magnet	50 N
Smart resting force	0/ 30 N/ 50 N
Weight process lock	725 g
Torque (mounting screw) process lock	6 Nm
Torque (mounting screw) anchor plate	6 Nm
Mounting	Screwing with raised head screw M6 Torx with pin
Material housing lock	PBT GF30, Aluminium eloxated black, AlMgSi, TPE, PC
Shock resistance	30 g / 11 ms
Vibration resistance	1 g, 5-150 Hz
Switching distance according to DIN EN 60947-5-3:2014-12	
Assured switching distance ON S(ao)	4 mm
Assured switching distance OFF S(ar)	15 mm
Minimum switching distance S0min	0,5 mm
Typical switching distance S(n)	5 mm
Repeat accuracy R switching distance	<0,5 mm
Hysteresis	2 mm
Generall periods	
Readiness delay t(v)	3000 ms
Start delay accuator t(on)	75 ms
Safety function times	
Switch-off reaction time inputs	max.3 ms
Switch-off reaction time anchor plate - Outputs t(off)	max. 75 ms
Test impulse length OSSD Sicherheitsausgänge	0,3 ms

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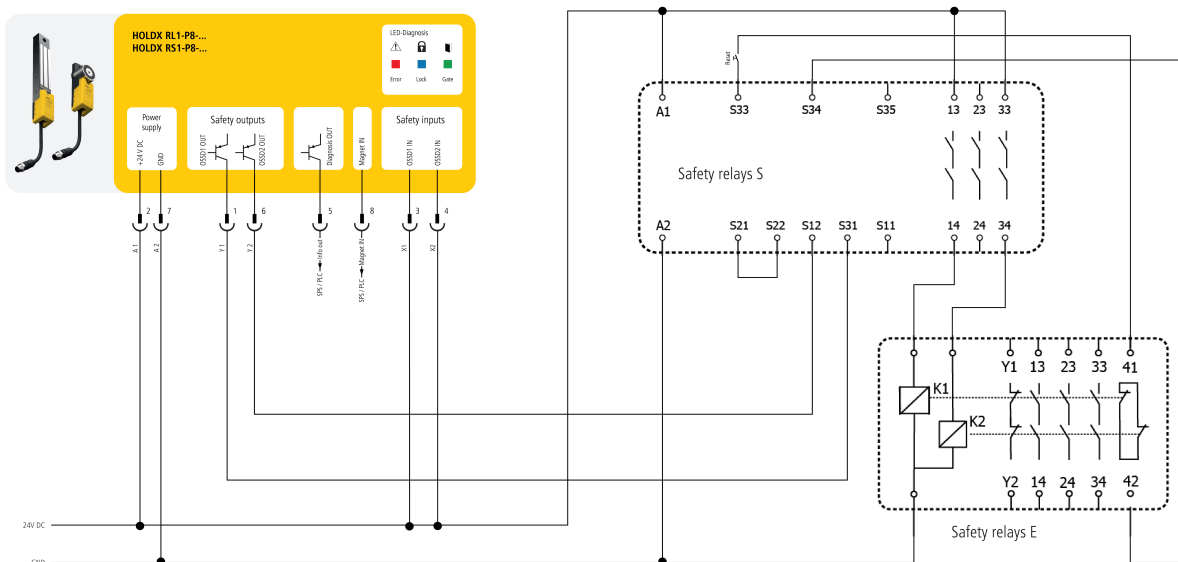
Electrical drawings

Connection drawing



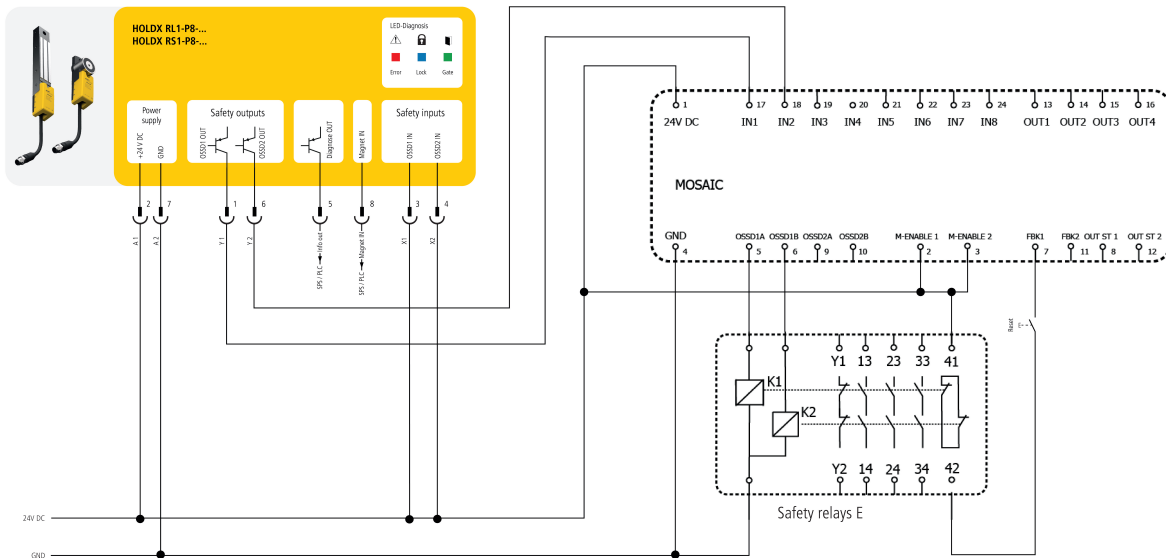
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Connection example 1



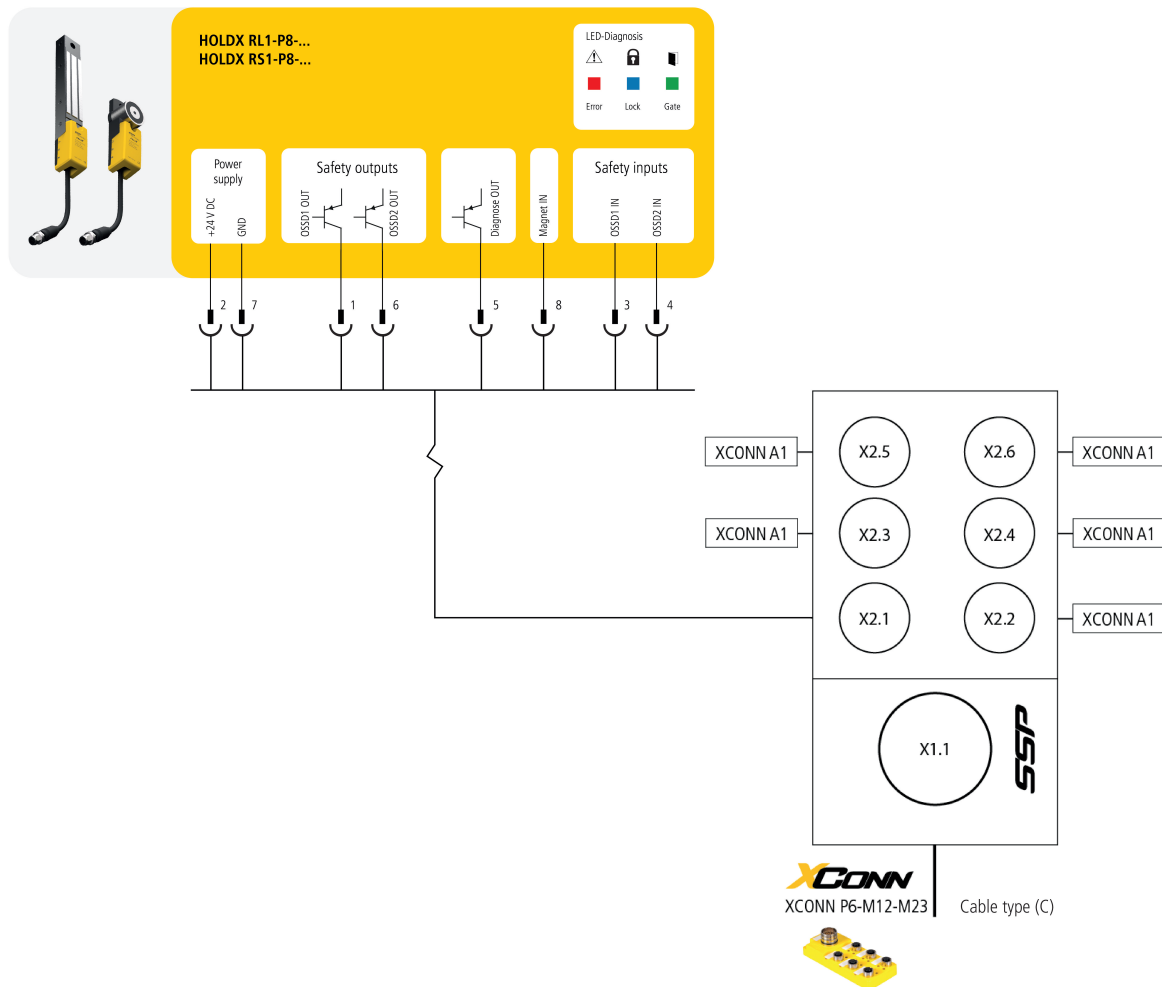
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Connection example 2



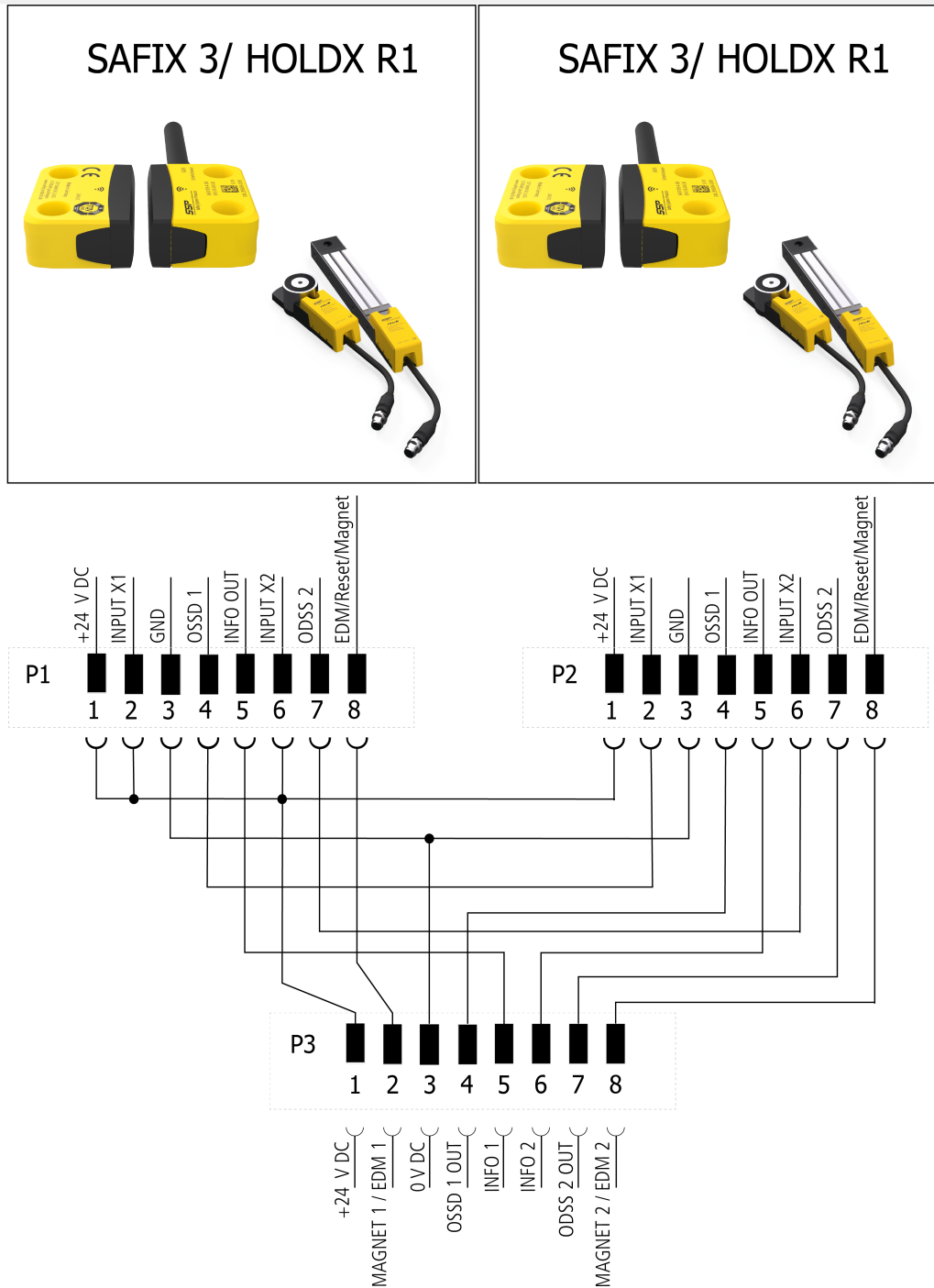
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Connection example 3



HOLDX RL1-P8-W-B-S0131

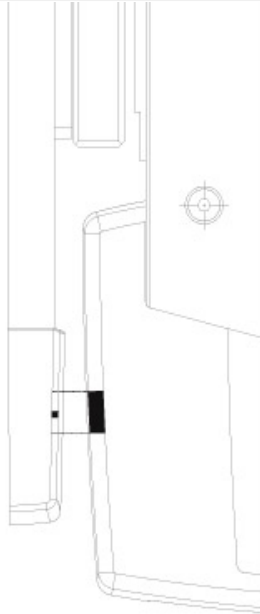
Connection example 4



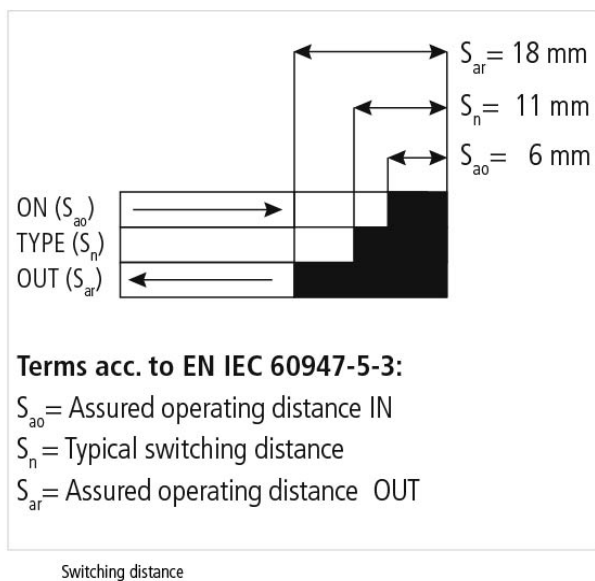
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Drawings

Approach

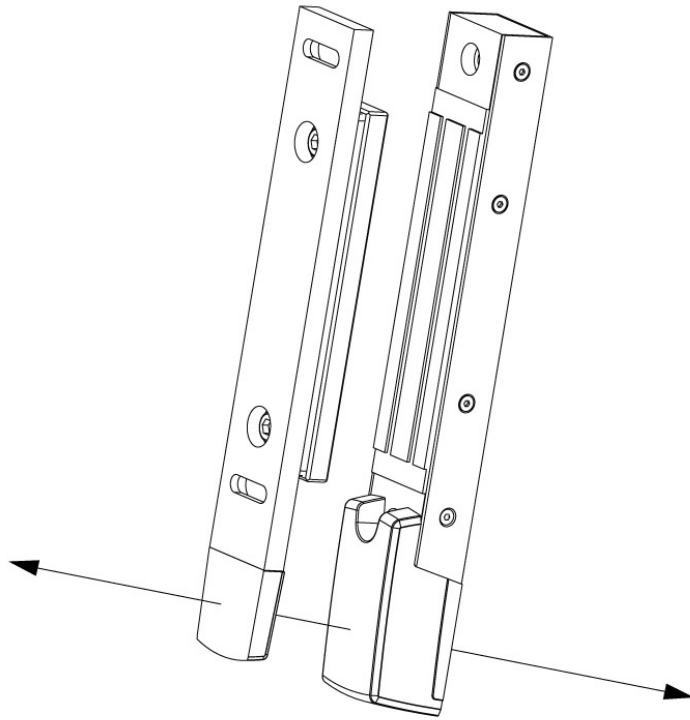


Switching gap



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Approach direction



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Assembly

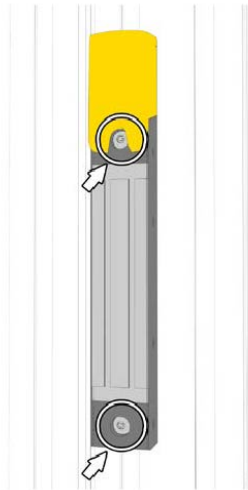


Fig.4: Attach the process guard locking to the profile at the desired height and tighten the Torx screws M6 x 25 mm.

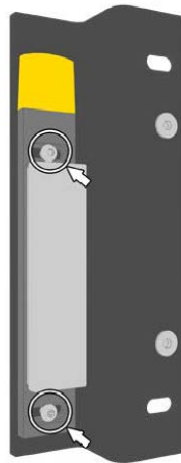


Fig.5: Attach the anchor plate to the mounting plate and tighten the Torx screws M6 x 8 mm.

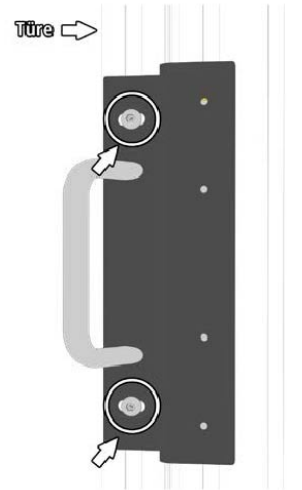


Fig.6: Attach the mounting plate with the anchor plate to the profile and align with the process guard locking. Tighten the Torx screws M8 x 12 mm.

Assembly 2

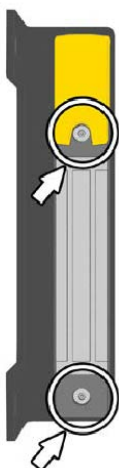


Fig.7: Attach the process guard locking to the mounting plate and tighten the Torx screws M6 x 25 mm.

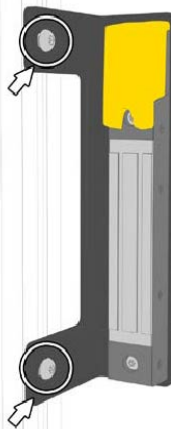


Fig.8: Attach the mounting plate with the process guard locking to the profile and tighten the Torx screws M8 x 12 mm.

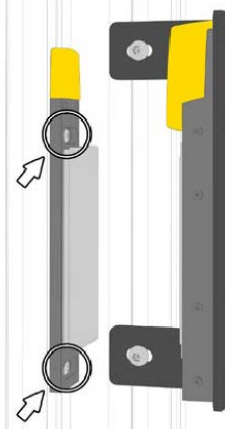


Fig.9: Attach the anchor plate to the profile of the sliding door and align it with the process guard locking. Tighten the Torx screws M6 x 10 mm.

Equipment

Accessories

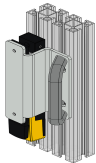
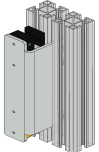
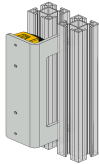
HOLDX RL1-P8-W-B-S0131

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	

Safety switches

Free software for magnetic guard lock HOLDX R	HOLDX Manager		
Anchorplate with RFID tag and with 50N permanent magnet	HOLDX RL-A1	SP-X-71-001-40	
Anchorplate with RFID tag without additional permanent magnet	HOLDX RL-A2	SP-X-71-001-41	

HOLDX RL1-P8-W-B-S0131

Mounting fitting HOLDX RL for wing doors with handle	HOLDX RL-Z-MF1	SP-X-71-002-00	
Mounting fitting HOLDX RL for wing doors	HOLDX RL-Z-MF2	SP-X-71-002-08	
Mounting fitting HOLDX RL for sliding doors	HOLDX RL-Z-MS1	SP-X-71-002-01	
Passive distributor	XCONN P6-M12-10m	SP-X-71-000-04	
Passive distributor	XCONN P6-M12-M23	SP-X-71-000-01	
Y distributor	XCONN Y2-M12	SP-X-33-000-71	
Connection module for EDI D1B	XCONN Y3-M12	SP-X-33-000-75	
Connection module EDI C7	XCONN Y4-M12	SP-X-33-000-76	

Safe control technology

HOLDX RL1-P8-W-B-S0131

	MOSAIC M1	SP-R-11-000-00	
Standard safety relay 1 safety function	S2 series	SP-K-70-001-00	
Wireless Safety			
Safety Simplifier for HOLDX R1	S14LDRB-H08-E2-I1-Q1A0-Q 2A0-Q3C0-Q4I0-W06	SP-X-89-000-46	
Safety Simplifier for two HOLDX R1	S14LDRB-H08-E2-I1-Q1A0-Q 2I0-Q3C0-Q4I0-W10	SP-X-89-000-50	
Safety Simplifier for HOLDX R1	S14LDRB-H09-E2-I1-I1-Q1A0- Q2A0-Q3C0-Q4I0-W07	SP-X-89-000-47	
Safety Simplifier for two HOLDX R1	S14LDRB-H09-E2-I1-I1-Q1A0- Q2I0-Q3C0-Q4I0-W11	SP-X-89-000-51	
Safety Simplifier for HOLDX R1	S14LDRB-H0A-E2-I1-I1-I1-Q1 A0-Q2A0-Q3C0-Q4I0-W08	SP-X-89-000-48	
Safety Simplifier for two HOLDX R1	S14LDRB-H0A-E2-I1-I1-I1-Q1 A0-Q2I0-Q3C0-Q4I0-W12	SP-X-89-000-52	

HOLDX RL1-P8-W-B-S0131

Safety Simplifier for HOLDX R1	S14LDRB-H0A-E2-I1-I1-K4-Q1	SP-X-89-000-49	
	A0-Q2I0-Q3C0-Q4I0-W09		
Safety Simplifier for two HOLDX R1	S16LDRB-H0A-E2-I1-I1-K4-Q1	SP-X-89-000-53	
	A0-Q2I0-Q3C0-Q4I0-W13		
Safety Simplifier Standard Module wireless passive distributor	S16LDRB-H10-Q1A0-Q2A0-Q	SP-X-89-100-06	
	3C0-Q4A0-Q5U0-Q6U0-Q7U		
	0-Q8U0-W36		
Passive distributor	XCONN P6-M12-5m	SP-X-71-000-00	
Y-distributor	XCONN Y1-M12	SP-X-71-000-02	

Downloads

- Software Gateway
- Product line
- Catalog
- Catalog packaging systems
- Certificate UL
- Certificate
- SISTEMA - Data V 4.1
- Operating manual
- EPLAN-Data
- CAD Data

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