



SSP

Safety System Products

HOLDX RS1-P8-S-B

Magnetic guard lock pigtail standard coding, Pigtail M12 8-pin, 600 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



To the downloads ►

we simplify safety

HOLDX RS1-P8-S-B

In its small and compact design, the **HOLDX RS** enables a locking force of **600 N**. In addition to the holding force of the electromagnet, the movable anchor plate has a 50 N permanent magnet that prevents a door from springing open immediately. The integrated RFID safety 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	RS1-P8-S-B
Item number	1027829
Item number (old)	SP-X-71-001-04
Coding levels	Standard

Safety relevant data

Category (EN ISO 13849-1: 2015)	Cat.4
SIL (IEC 61508: 2010)	SIL3
- Hardware fault tolerance	HFT1
- PFHd	2,24 x 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
SIL (EN IEC 62061: 2005 + A2: 2015)	SIL CL3

Environmental conditions

Max. storage temperature	-25... + 55°C °C
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HOLDX RS1-P8-S-B

Max. operating temperature -25... + 55°C °C

Electrical data

Supply voltage	24 VDC (+10/-15%)
Rated impulse withstand voltage Uimp	1 kV
Power consumption (incl. OSSD outputs)	16 W
Rated current (on 24 VDC)	600 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	M12 8-pin, Pigtail 200 mm
Switching current per diagnosis output max.	100 mA
Design / Connections	1x Pigtail 8-pin
Bluetooth	□
Risk time	75 ms ms

Mechanical data

Dimensions

Width	45 (35) mm
Length	128,6 (without cabel) mm
Height	33,5 mm

Dimensions of anchor plate

Width of anchor plate	45 (35) mm
Length of anchor plate	108,2 mm
Height of anchor plate	17,5 mm

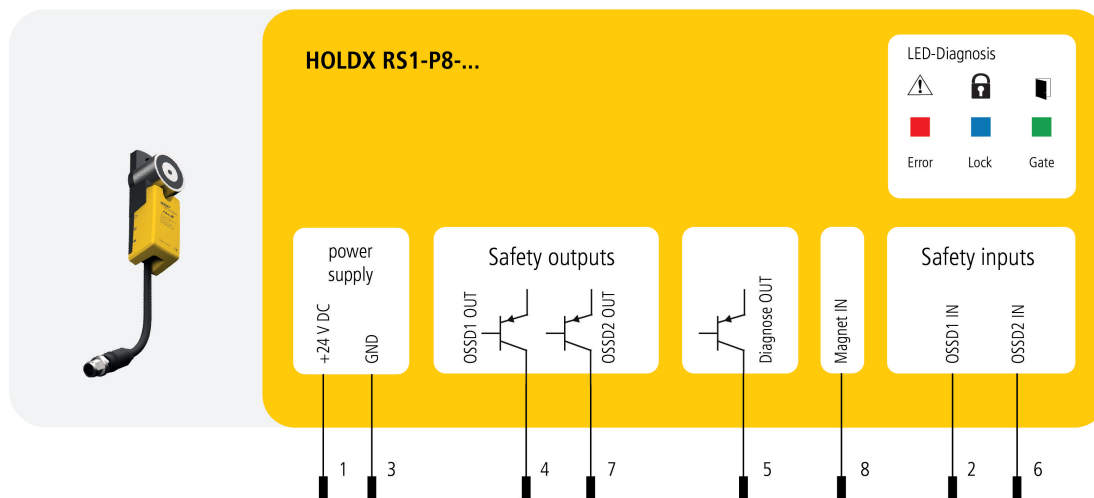
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Locking force electromagnet	600 N
Permanent magnet	50 N
Smart resting force	0/ 30 N/ 50 N
Weight process lock	375 g
Weight anchor plate	125 g
Torque (mounting screw) process lock	6 Nm
Mounting	Screwing with raised head screw M6 Torx with pin
Material housing lock	PBT GF30, Aluminium eloxated black, 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)	6 mm
Assured switching distance OFF S(ar)	18 mm
Typical switching distance S(n)	11 mm
Repeat accuracy R switching distance	<0,5 mm
Hysteresis	2 mm
Generall periods	
Readiness delay t(v)	5000 ms
Start delay acctuator 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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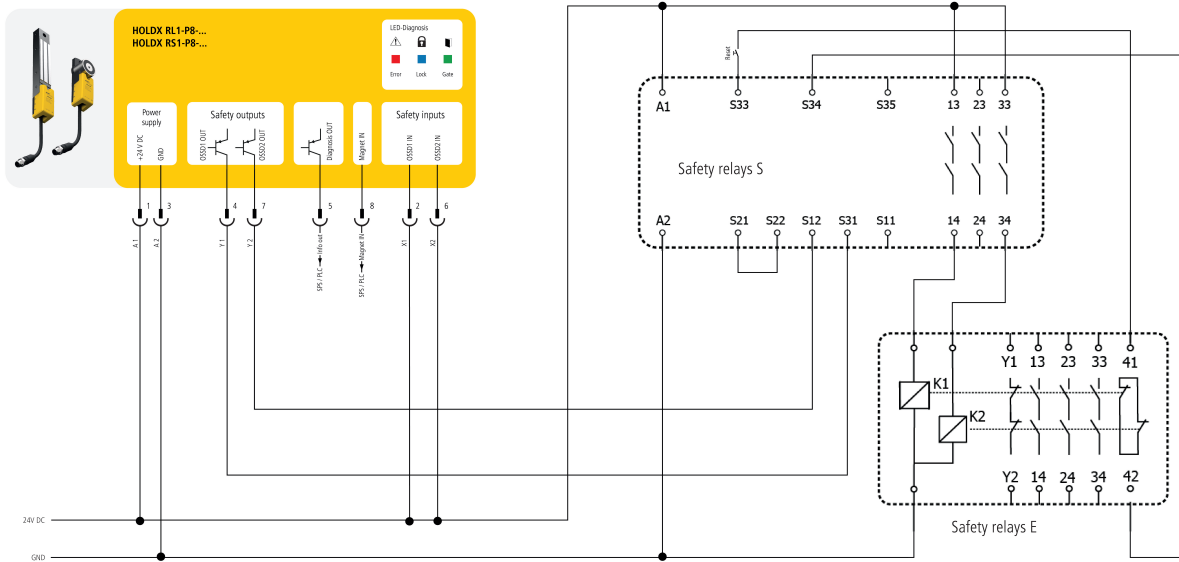
Electrical drawings

Connection drawing



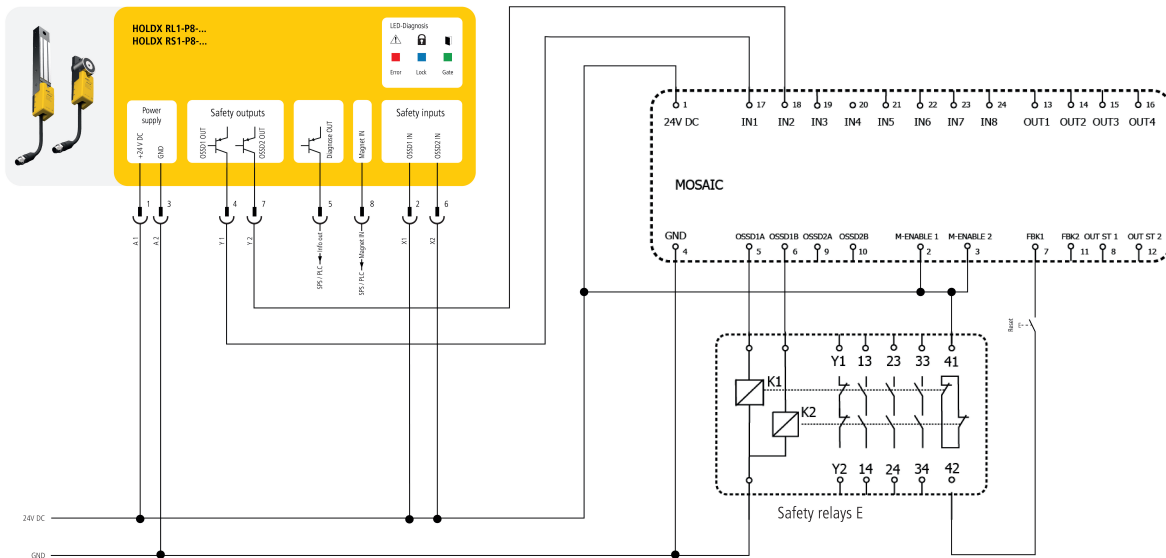
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Connection example 1



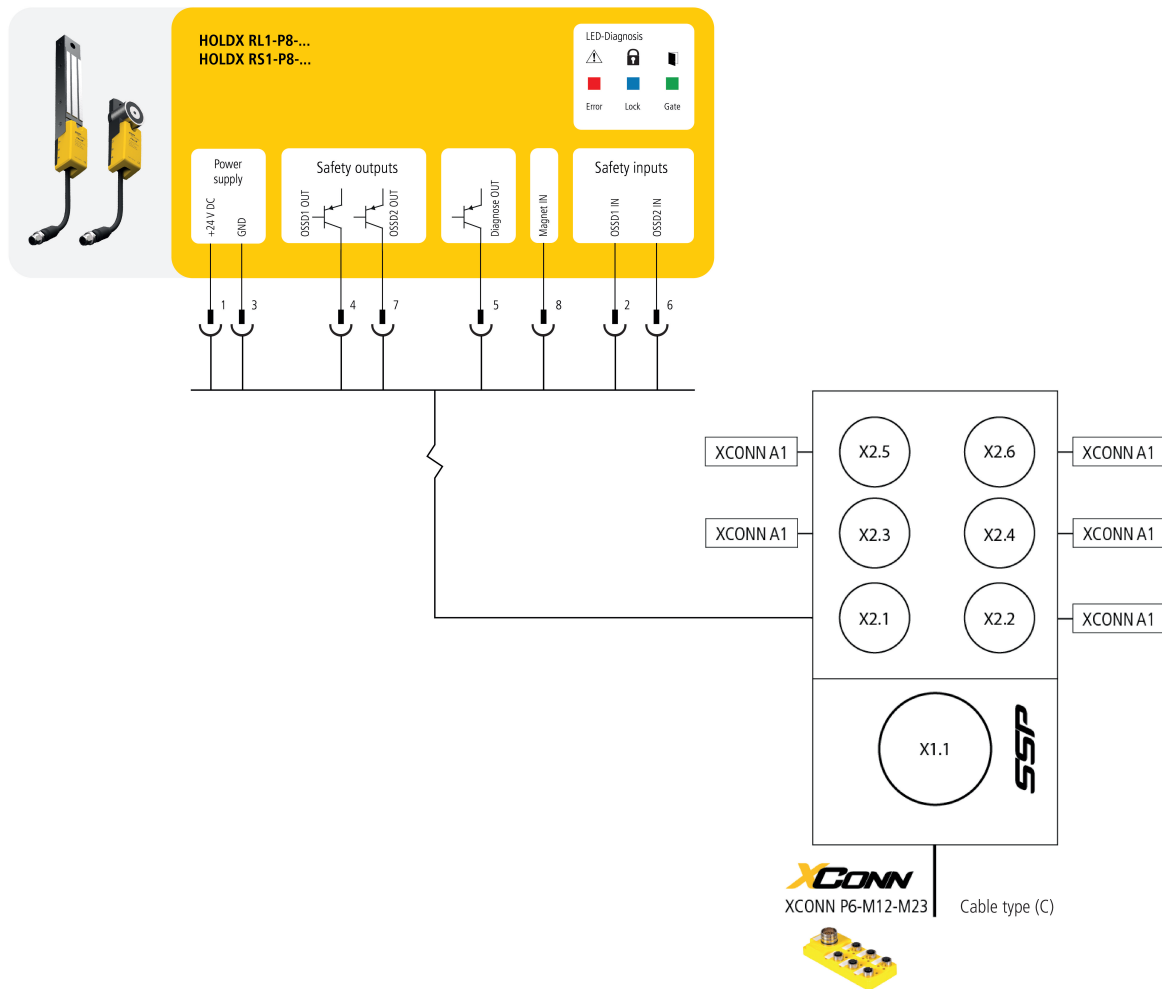
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Connection example 2



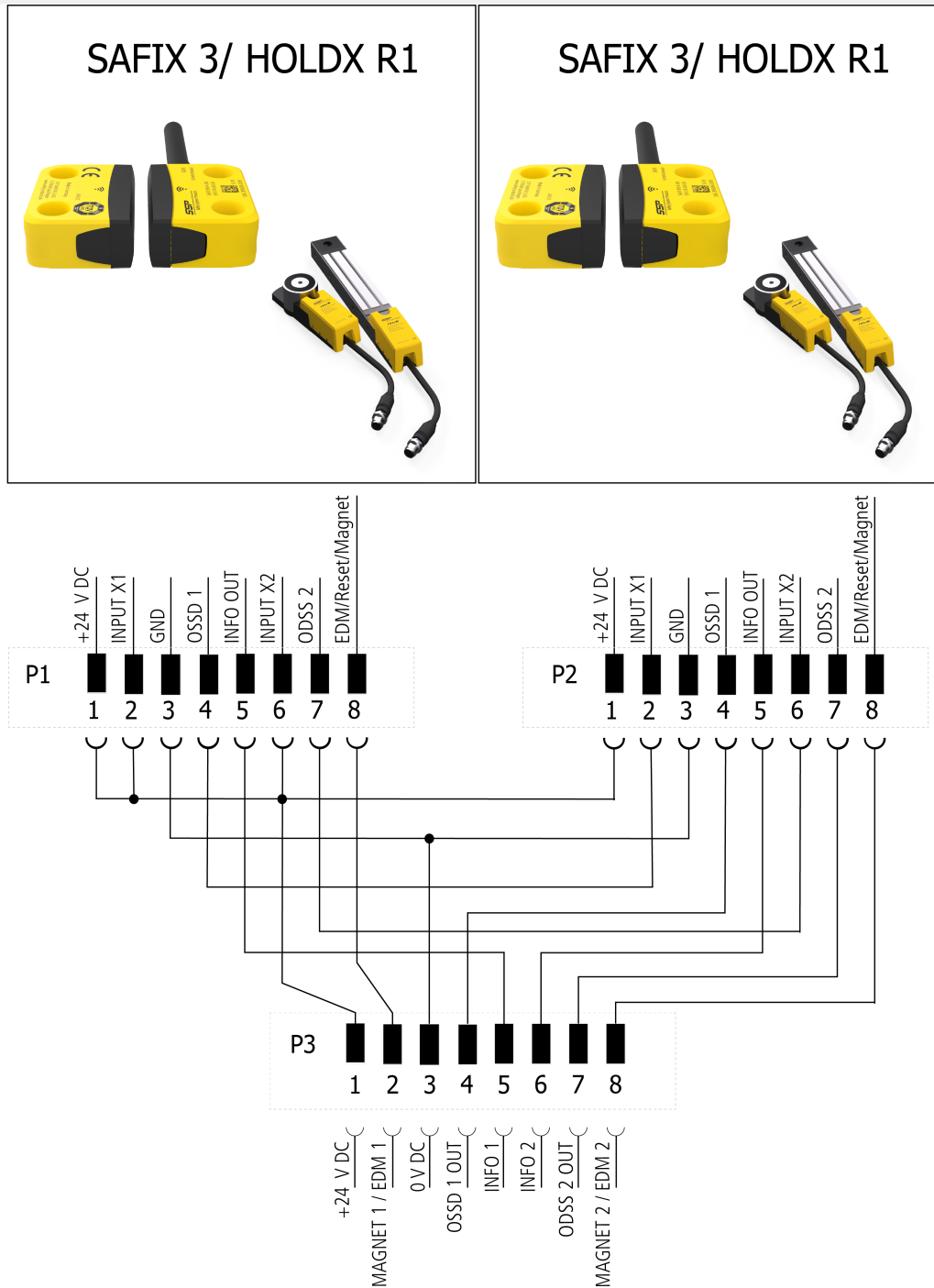
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Connection example 3



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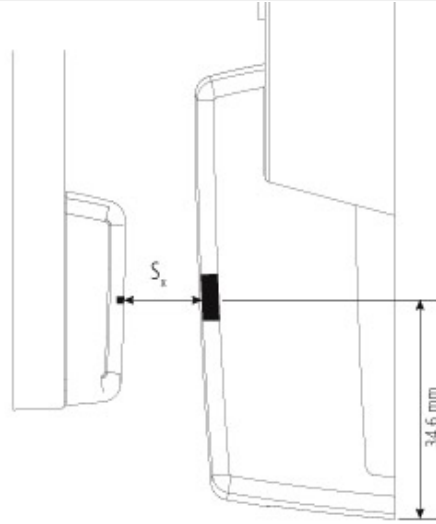
Connection example 4



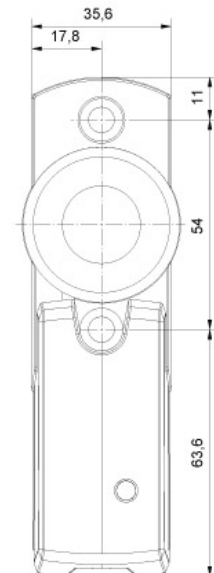
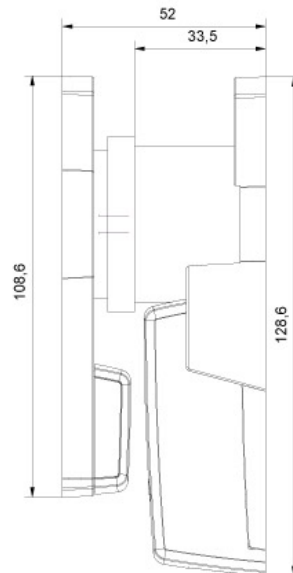
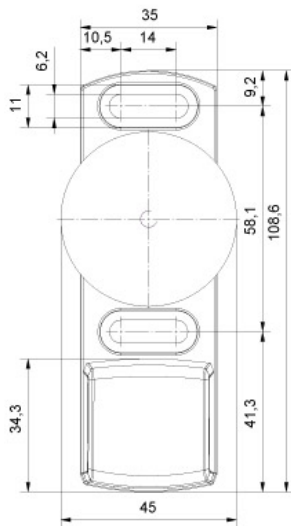
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Drawings

Approach

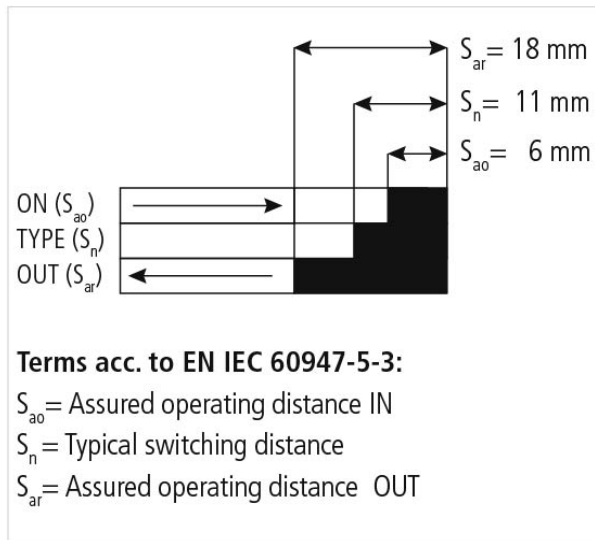


Dimensions



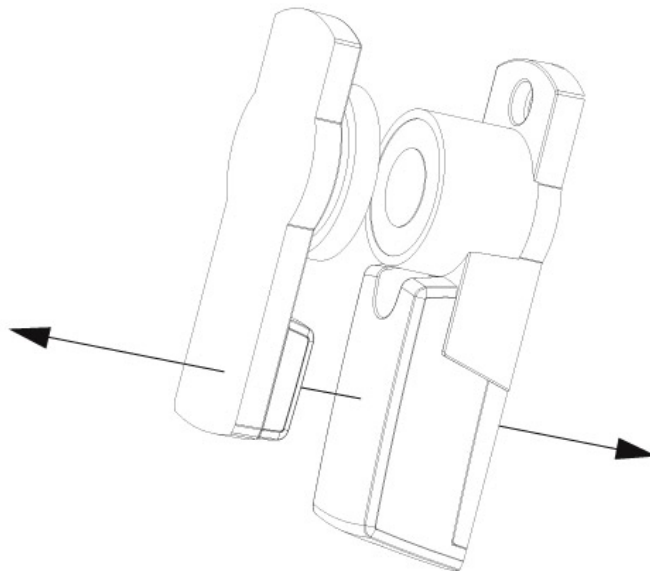
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Switching gap



Switching distance

Approach direction



Equipment

Accessories

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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	

Safety switches

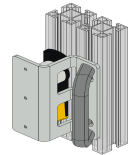
Free software for magnetic guard lock HOLDX R	HOLDX Manager		
Anchorplate with RFID tag and with 50 N permanent magnet	HOLDX RS-A1	1027848	
Anchorplate with RFID tag without additional permanent magnet	HOLDX RS-A2	1027849	

HOLDX RS1-P8-S-B

Mounting fitting HOLDX RS for wing doors with
handle

HOLDX RS-Z-MF1

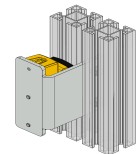
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Mounting fitting HOLDX RS for wing doors incl.
screws

HOLDX RS-Z-MF2

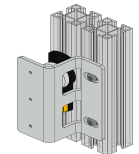
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mounting bracket for HOLDX RS, for hinged doors
mounting on the inside

HOLDX RS-Z-MF3

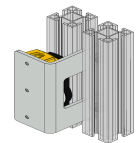
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Mounting fitting HOLDX RS for sliding doors

HOLDX RS-Z-MS1

1027878



Passive distributor

XCONN P6-M12-10m

1027828



Passive distributor

XCONN P6-M12-M23

1027825



Y distributor

XCONN Y2-M12

1022403



Connection module for EDI D1B

XCONN Y3-M12

1022407



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Connection module EDI C7

XCONN Y4-M12

1022408



Safe control technology

MOSAIC M1

1019811



Standard safety relay 1 safety function

S2 series

1019455



Wireless Safety

Safety Simplifier | for HOLDX R1

S14LDRB-H08-E2-I1-Q1A0-Q

1029203

2A0-Q3C0-Q4I0-W06



Safety Simplifier | for two HOLDX R1

S14LDRB-H08-E2-I1-Q1A0-Q

1029207

2I0-Q3C0-Q4I0-W10



Safety Simplifier | for HOLDX R1

S14LDRB-H09-E2-I1-I1-Q1A0-

1044508

Q2A0-Q3C0-Q4I0-W07



Safety Simplifier | for HOLDX R1

S14LDRB-H0A-E2-I1-I1-I1-Q1

1044603

A0-Q2A0-Q3C0-Q4I0-W08



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Safety Simplifier for two HOLDX R1	S14LDRB-H0A-E2-I1-I1-I1-Q1	1029209	
	A0-Q2I0-Q3C0-Q4I0-W12		
Safety Simplifier for HOLDX R1	S14LDRB-H0A-E2-I1-I1-K4-Q1	1044507	
	A0-Q2A0-Q3C0-Q4I0-W09		
Safety Simplifier for two HOLDX R1	S16LDRB-H0A-E2-I1-I1-K4-Q1	1044490	
	A0-Q2I0-Q3C0-Q4I0-W13		
Safety Simplifier Standard Module wireless passive distributor	S16LDRB-H10-Q1A0-Q2A0-Q	1030121	
	3C0-Q4A0-Q5U0-Q6U0-Q7U		
	0-Q8U0-W36		
Passive distributor	XCONN P6-M12-5m	1027824	
Y-distributor	XCONN Y1-M12	1027826	

HOLDX RS1-P8-S-B

Downloads

- Operating manual
- Certificate
- Certificate UL
- Software Gateway
- SISTEMA - Data V 4.1
- Catalog
- EPLAN-Data
- CAD Data