



# SSP

Safety System Products

## HOLDX RS1-P8-S-B-S0130

**Magnetic guard lock pigtail standard coding, special wiring  
magne 4, 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 commissioning 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



**To the downloads ►**

**we simplify safety**

## HOLDX RS1-P8-S-B-S0130

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-S0130 |
| Item number      | SP-X-71-001-47   |
| Coding levels    | Standard         |

### Safety relevant data

|                                          |                       |
|------------------------------------------|-----------------------|
| Category (EN ISO 13849-1: 2015)          | Cat.4                 |
| SIL (IEC 61508: 2010)                    | SIL3                  |
| - Hardware fault tolerance               | HFT1                  |
| - PFHd                                   | $2,24 \times 10^{-9}$ |
| 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     |
| SIL (EN IEC 62061: 2005 + A2: 2015)      | SIL CL3 |

### Environmental conditions

|                          |                  |
|--------------------------|------------------|
| Max. storage temperature | -25... + 55°C °C |
|--------------------------|------------------|

## HOLDX RS1-P8-S-B-S0130

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    |



Safety System Products

## HOLDX RS1-P8-S-B-S0130

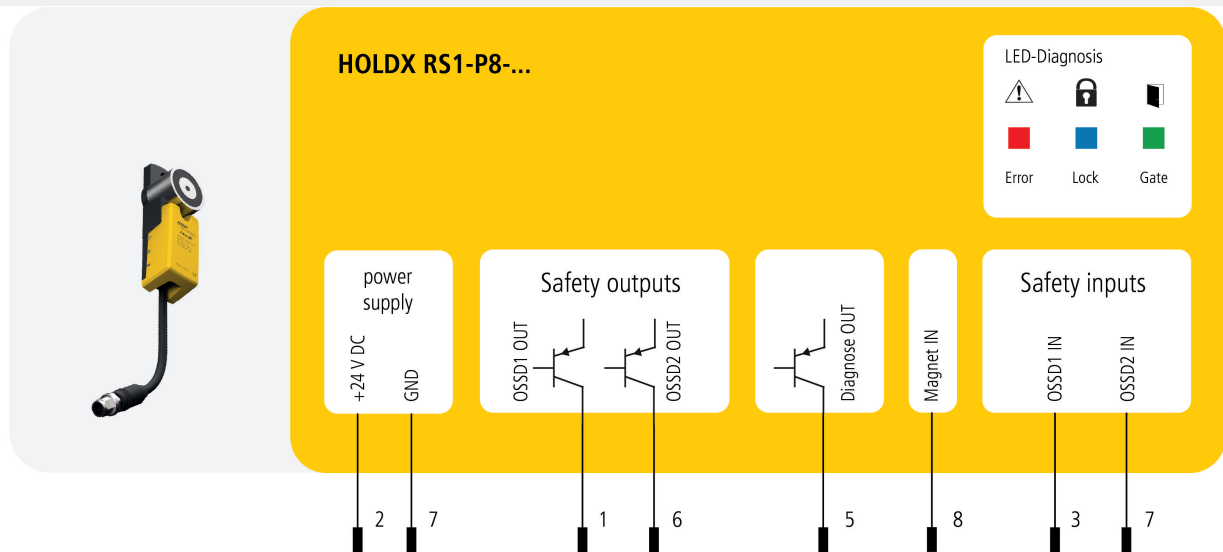
|                                                                 |                                                  |
|-----------------------------------------------------------------|--------------------------------------------------|
| Locking force electromagnet                                     | 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                                    |
| <b>Switching distance according to DIN EN 60947-5-3:2014-12</b> |                                                  |
| 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                                             |
| <b>Generall periods</b>                                         |                                                  |
| Readiness delay t(v)                                            | 5000 ms                                          |
| Start delay acctuator t(on)                                     | 75 ms                                            |
| <b>Safety function times</b>                                    |                                                  |
| 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                                           |



## HOLDX RS1-P8-S-B-S0130

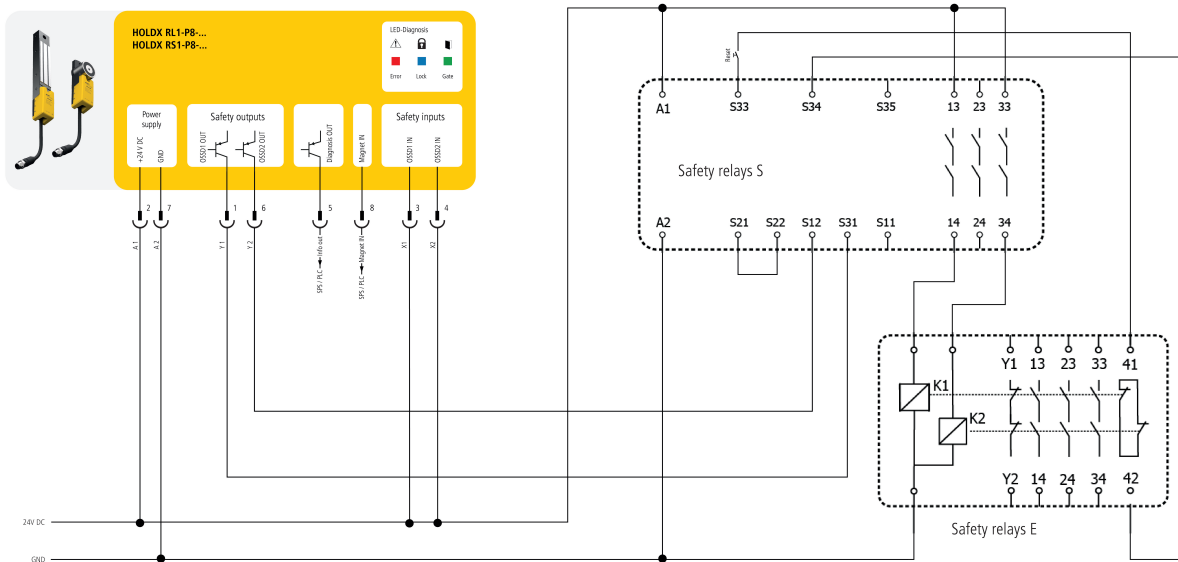
### Electrical drawings

#### Connection drawing



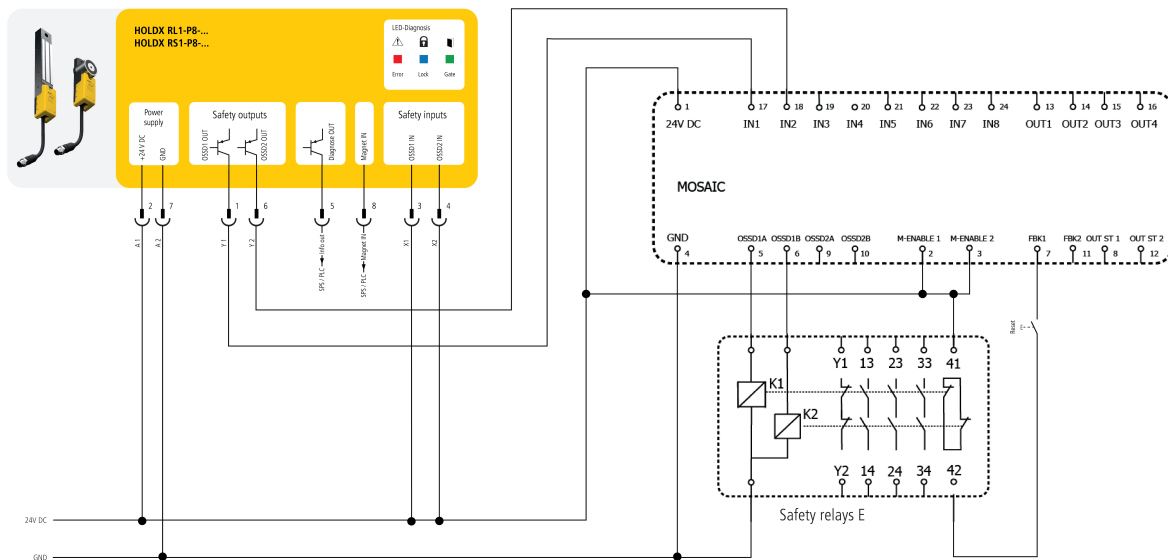
### HOLDX RS1-P8-S-B-S0130

#### Connection example 1



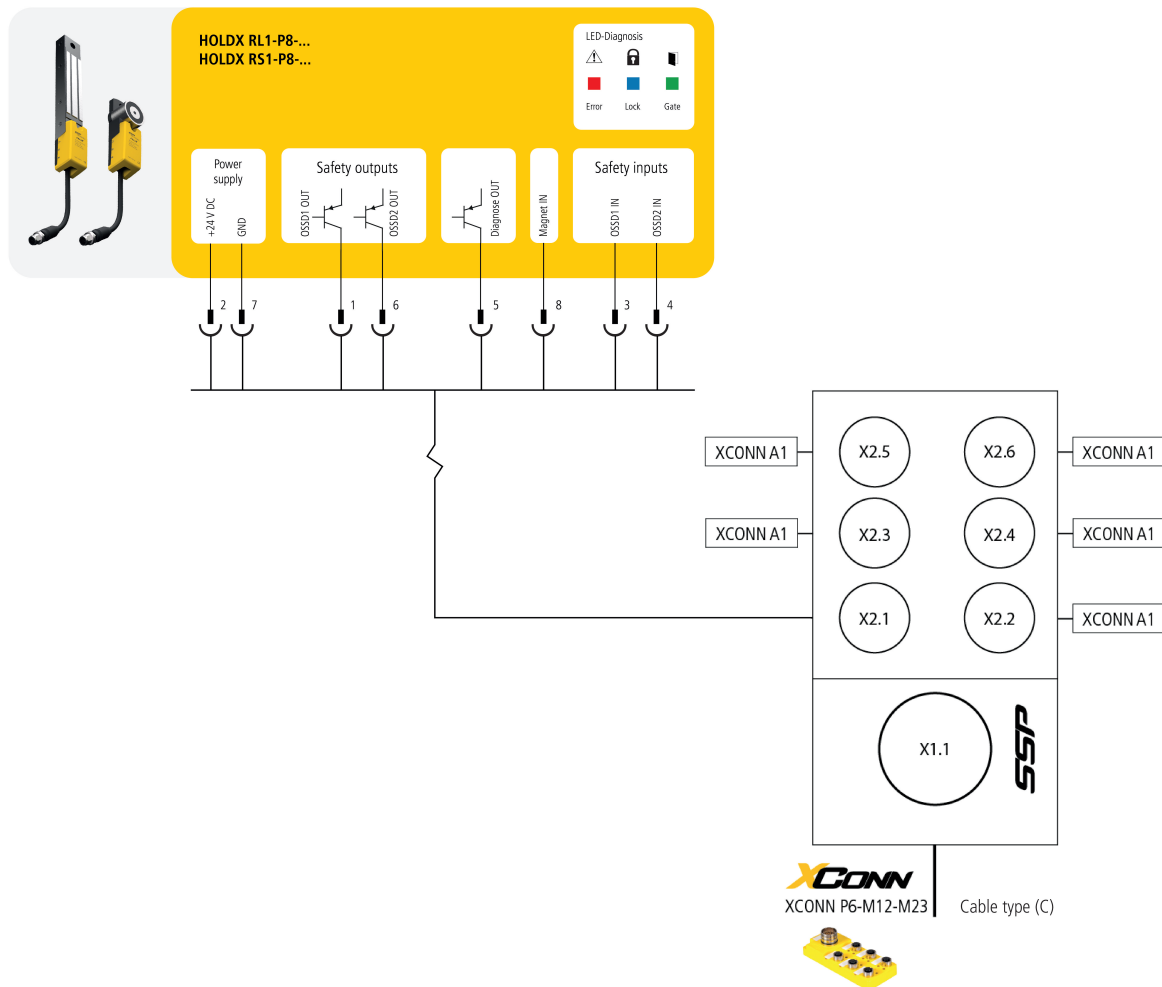
### HOLDX RS1-P8-S-B-S0130

#### Connection example 2



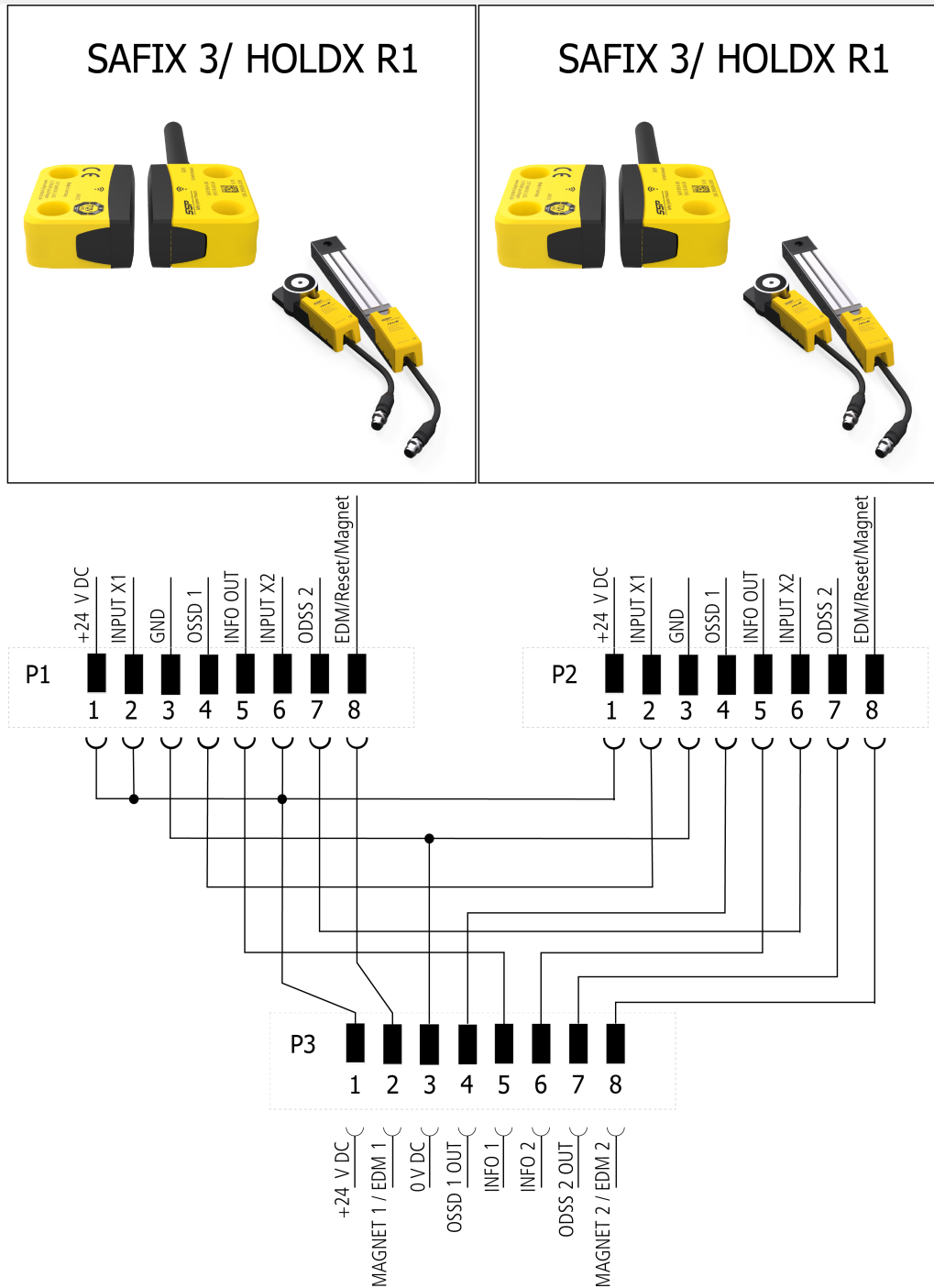
### HOLDX RS1-P8-S-B-S0130

Connection example 3



## HOLDX RS1-P8-S-B-S0130

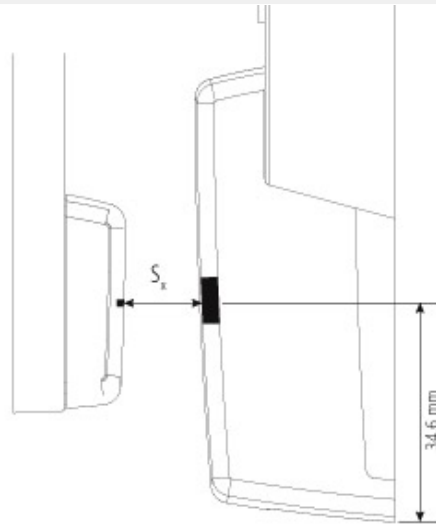
Connection example 4



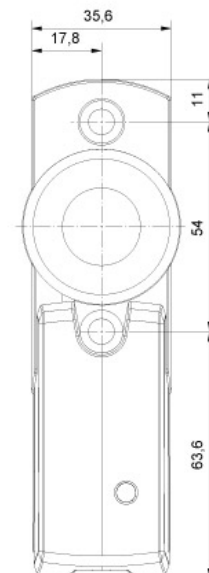
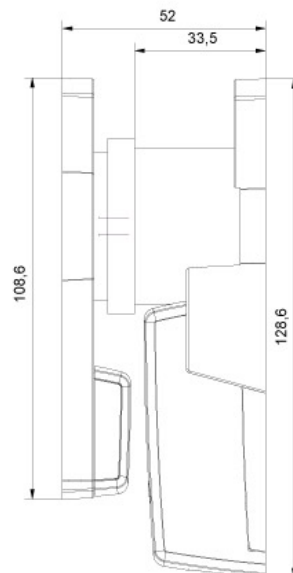
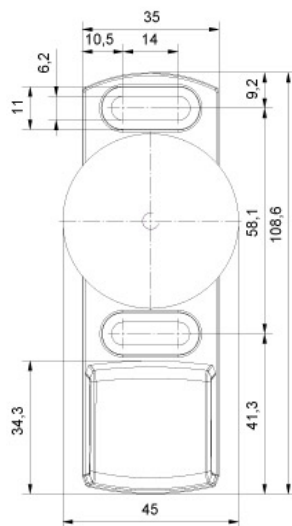
## HOLDX RS1-P8-S-B-S0130

### Drawings

#### Approach

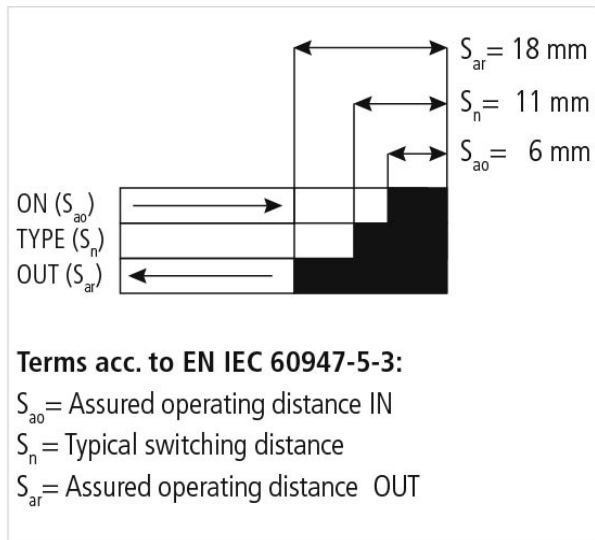


### Dimensions



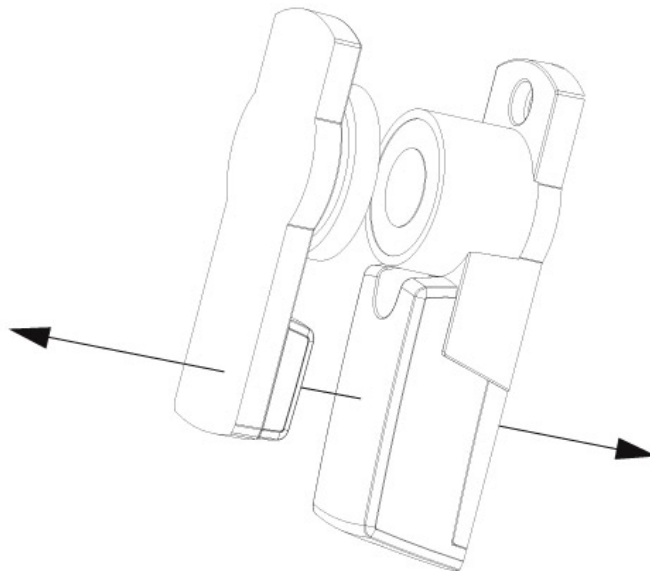
## HOLDX RS1-P8-S-B-S0130

### Switching gap



Switching distance

### Approach direction



### Equipment

### Accessories



### HOLDX RS1-P8-S-B-S0130

|                                   |       |                |                                                                                       |
|-----------------------------------|-------|----------------|---------------------------------------------------------------------------------------|
| 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

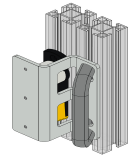
|                                                               |               |                                                                                       |                                                                                       |
|---------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Free software for magnetic guard lock HOLDX R                 | HOLDX Manager |  |                                                                                       |
| Anchorplate with RFID tag and with 50 N permanent magnet      | HOLDX RS-A1   | SP-X-71-001-42                                                                        |  |
| Anchorplate with RFID tag without additional permanent magnet | HOLDX RS-A2   | SP-X-71-001-43                                                                        |  |

### HOLDX RS1-P8-S-B-S0130

Mounting fitting HOLDX RS for wing doors with  
handle

HOLDX RS-Z-MF1

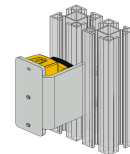
SP-X-71-002-02



Mounting fitting HOLDX RS for wing doors incl.  
screws

HOLDX RS-Z-MF2

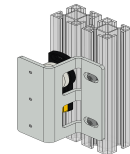
SP-X-71-002-07



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

HOLDX RS-Z-MF3

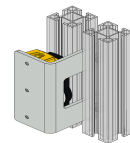
SP-X-71-002-09



Mounting fitting HOLDX RS for sliding doors

HOLDX RS-Z-MS1

SP-X-71-002-03



Passive distributor

XCONN P6-M12-10m

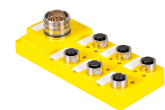
SP-X-71-000-04



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



### HOLDX RS1-P8-S-B-S0130

Connection module EDI C7

XCONN Y4-M12

SP-X-33-000-76



#### Safe control technology

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

SP-X-89-000-46

2A0-Q3C0-Q4I0-W06



Safety Simplifier | for two HOLDX R1

S14LDRB-H08-E2-I1-Q1A0-Q

SP-X-89-000-50

2I0-Q3C0-Q4I0-W10



Safety Simplifier | for HOLDX R1

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

SP-X-89-000-47

Q2A0-Q3C0-Q4I0-W07



Safety Simplifier | for HOLDX R1

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

SP-X-89-000-48

A0-Q2A0-Q3C0-Q4I0-W08



### HOLDX RS1-P8-S-B-S0130

Safety Simplifier | for two HOLDX R1

S14LDRB-H0A-E2-I1-I1-Q1  
A0-Q2I0-Q3C0-Q4I0-W12

SP-X-89-000-52



Safety Simplifier | for HOLDX R1

S14LDRB-H0A-E2-I1-I1-K4-Q1  
A0-Q2I0-Q3C0-Q4I0-W09

SP-X-89-000-49



Safety Simplifier | for two HOLDX R1

S16LDRB-H0A-E2-I1-I1-K4-Q1  
A0-Q2I0-Q3C0-Q4I0-W13

SP-X-89-000-53



Safety Simplifier Standard Module wireless passive distributor

S16LDRB-H10-Q1A0-Q2A0-Q  
3C0-Q4A0-Q5U0-Q6U0-Q7U  
0-Q8U0-W36

SP-X-89-100-06



Passive distributor

XCONN P6-M12-5m

SP-X-71-000-00



Y-distributor

XCONN Y1-M12

SP-X-71-000-02



## **HOLDX RS1-P8-S-B-S0130**

### **Downloads**

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