



# SSP

Safety System Products

## S00LDRB-H06-Q1A0-Q2A0-Q3C0-Q4A0

### Safety Simplifier | Repeater with touch display

#### Your advantages

- Wireless Interface for safe communication, programming & diagnosis
- IP65
- 40mm width for aluminium safety fences systems



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## Safety System Products

# S00LDRB-H06-Q1A0-Q2A0-Q3C0-Q4A0

### General data

Type designation	S00LDRB-H06-Q1A0-Q2A0-Q3C0-Q4A0
Item number	SP-X-89-100-57
Functional type	Repeater with wireless Interface, internal antenna

### Safety data

#### CPU

- EN ISO 13849-1: 2008	Category 4
- IEC 61508-2	SIL CL 3
- EN 62061 PFHD [1/h]	□
- EN ISO 13849-1: 2008 TM [Year]	20

#### 1-channel input

- EN ISO 13849-1: 2008	Category 2
- IEC 61508-2	SIL CL 2
- EN 62061 PFHD [1/h]	□
- EN ISO 13849-1: 2008 TM [Year]	20

#### 2-channel input

- EN ISO 13849-1: 2008	Category 4
- IEC 61508-2	SIL CL 3
- EN 62061 PFHD [1/h]	□
- EN ISO 13849-1: 2008 TM [Year]	20

#### 1-channel OSSD output

- EN ISO 13849-1: 2008	Category 2
- IEC 61508-2	SIL CL 2
- EN 62061 PFHD [1/h]	□
- EN ISO 13849-1: 2008 TM [Year]	20

#### 2- channel OSSD Output

- EN ISO 13849-1: 2008	Category 4
- IEC 61508-2	SIL CL 3
- EN 62061 PFHD [1/h]	□
- EN ISO 13849-1: 2008 TM [Year]	20

#### 2- channel relais output



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- EN ISO 13849-1: 2008	Category 4
- EN 62061 SIL CIL	SIL CL 3
- EN 62061 PFHD [1/h]	□
- EN ISO 13849-1: 2008 TM [Year]	20
Approvals	CE, TÜV

#### Environmental conditions

Max. storage temperature	-20 °C...+65 °C °C
Max. operating temperature	-20 °C...+65 °C °C

#### Electrical data

- max. amount of safe wireless channels	16
- Channel 1	2405 MHz
- Channel 2	2410 MHz
- Channel 3	2415 MHz
- Channel 4	2420 MHz
- Channel 5	2425 MHz
- Channel 6	2430 MHz
- Channel 7	2435 MHz
- Channel 8	2440 MHz
- Channel 9	2445 MHz
- Channel 11	2455 MHz
- Channel 10	2450 MHz
- Channel 12	2460 MHz
- Channel 13	2465 MHz
- Channel 14	2470 MHz
- Channel 15	2475 MHz
- Channel 16	2480 MHz
- amount of clamps	32
Supply voltage	10 - 30 V
Current consumption	110 mA with LED display
- single wire	0,08...0,5 mm <sup>2</sup>
- fine wire	0,08...0,5 mm <sup>2</sup>



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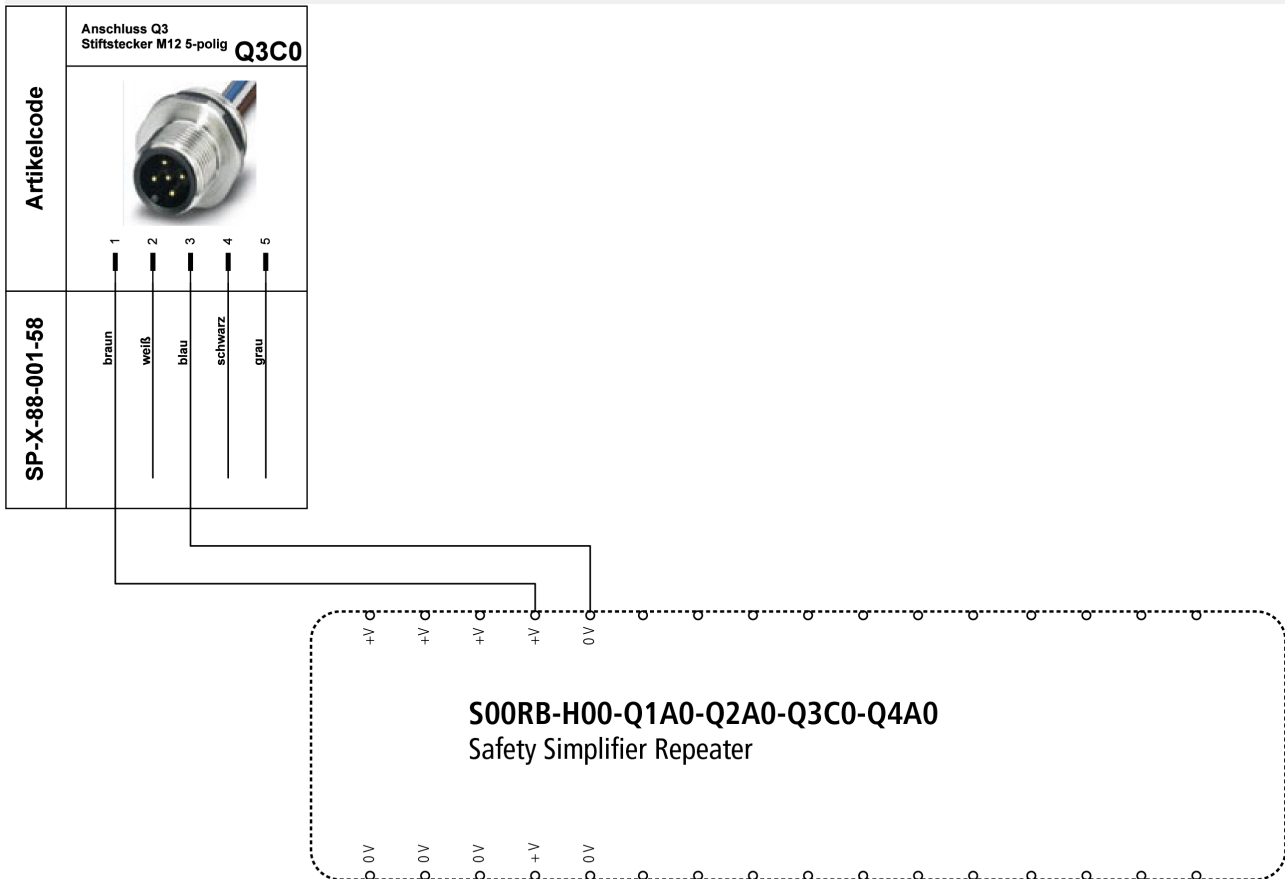
### S00LDRB-H06-Q1A0-Q2A0-Q3C0-Q4A0

- fine wired (wire sleeve without plastic collar)	0,25 mm <sup>2</sup>
Input current	HIGH 2,4 mA ... 3,8 mA    LOW -2,5 mA ... 2,1 mA
Seperate output current	max. 600 mA (with UB 24 V)
<b>General data</b>	
Programming connection	Micro USB, Wireless Interface
Type terminal connection	Spring clamp
- fine wired (wire sleeve with plastic collar)	0,08...0,5 mm <sup>2</sup>
Input voltage	HIGH 75% from UB (adjustable by software) LOW 25% from UB (adjustable by software)
<b>Technical data inputs</b>	
<b>Mechanical data</b>	
Installation opening of buttons	22,5 mm
Type of housing	H08
<b>Dimensions</b>	
Height	44 mm
Length	253 mm
Width	42 mm

### S00LDRB-H06-Q1A0-Q2A0-Q3C0-Q4A0

#### Electrical drawings

##### Connection example 1



#### Equipment

##### Wireless Safety









Article code ZMB

Mounting plate big




SP-N-88-850-02



## S00LDRB-H06-Q1A0-Q2A0-Q3C0-Q4A0

Article code ZMS	Mountingplate small	SP-N-88-850-01	
Article code ZSD	Screw with seal	SP-X-88-001-89	
External antenna for Safety Simplifier, cable length 1 m	Simplifier EXTA 1 m	SP-X-88-200-24	
External antenna for Safety Simplifier, cable length 10 m	Simplifier EXTA 10 m	SP-X-88-200-20	
External antenna for Safety Simplifier, cable length 2 m	Simplifier EXTA 2 m	SP-X-88-200-23	
External antenna for Safety Simplifier, cable length 5 m	Simplifier EXTA 5 m	SP-X-88-200-22	
External antenna for Safety Simplifier, cable length 8 m	Simplifier EXTA 8 m	SP-X-88-200-21	
Free software for the Safety Simplifier System	Simplifier Manager		

## S00LDRB-H06-Q1A0-Q2A0-Q3C0-Q4A0

	Simplifier Monitor SRM	SP-N-88-850-03	
Fastening set for Safety Simplifier for back panel mounting	Simplifier ZHMS	SP-X-88-001-91	
Fastening set for Safety Simplifier	Simplifier ZHS	SP-X-88-001-91	

### Downloads

- Certificates
- Catalog
- Product line
- Catalog packaging systems
- EPLAN-Data