



SSP

Safety System Products

S00RB-H00-Q1A0-Q2A0-Q3C0-Q4A0

Safety Simplifier | Repeater

Your advantages

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

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Safety System Products

S00RB-H00-Q1A0-Q2A0-Q3C0-Q4A0

General data

Type designation	S00RB-H00-Q1A0-Q2A0-Q3C0-Q4A0
Item number	SP-X-89-002-13
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 ²
- fine wire	0,08...0,5 mm ²



Safety System Products

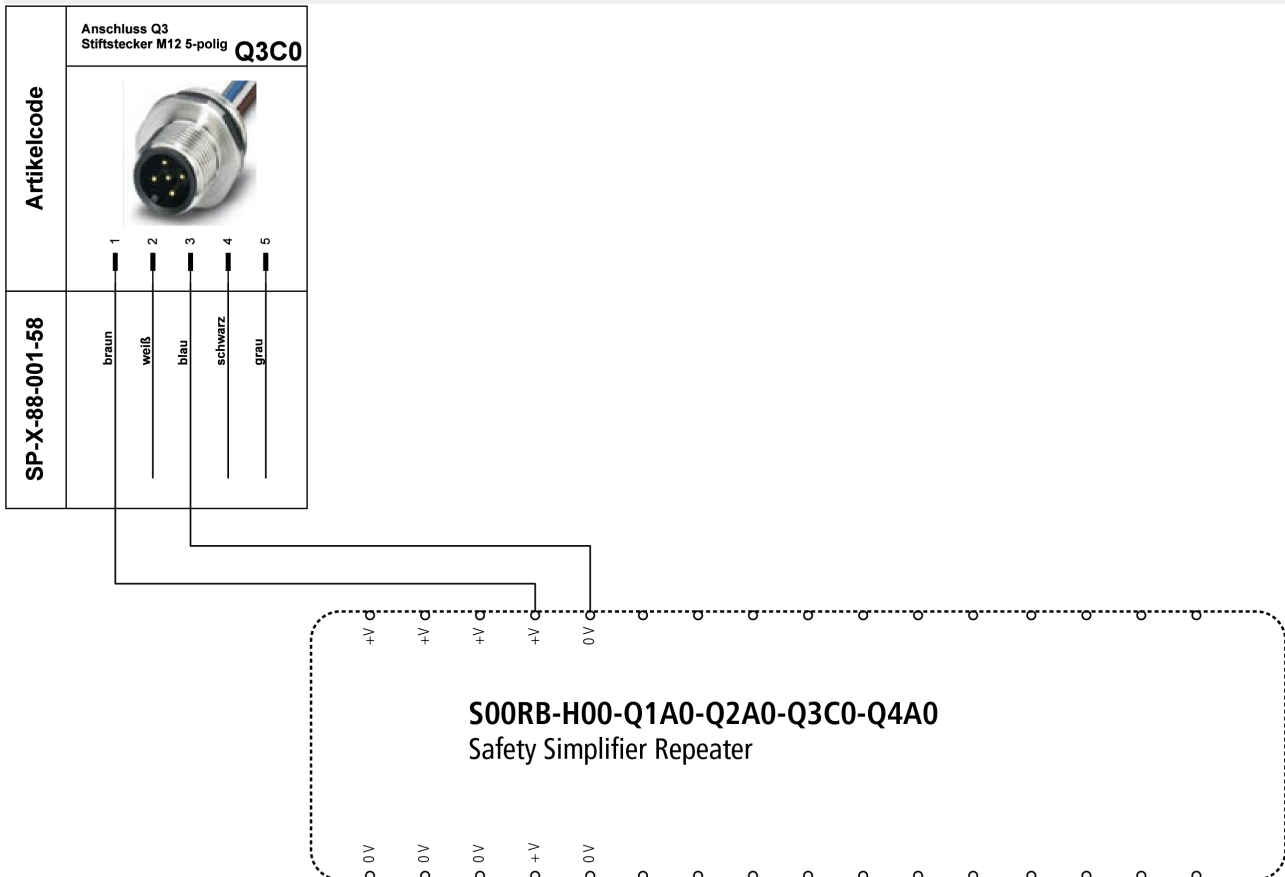
S00RB-H00-Q1A0-Q2A0-Q3C0-Q4A0

- fine wired (wire sleeve without plastic collar)	0,25 mm ²
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)
General data	
Programming connection	Micro USB, Wireless Interface
Type terminal connection	Spring clamp
- fine wired (wire sleeve with plastic collar)	0,08...0,5 mm ²
Input voltage	HIGH 75% from UB (adjustable by software) LOW 25% from UB (adjustable by software)
Technical data inputs	
Mechanical data	
Installation opening of buttons	22,5 mm
Type of housing	H08
Dimensions	
Height	44 mm
Length	253 mm
Width	42 mm

S00RB-H00-Q1A0-Q2A0-Q3C0-Q4A0

Electrical drawings

Connection example 1



Equipment

Wireless Safety

Article code ZMB

Mounting plate big

SP-N-88-850-02



S00RB-H00-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

Simplifier EXTA 1 m

SP-X-88-200-24

1 m



External antenna for Safety Simplifier, cable length

Simplifier EXTA 10 m

SP-X-88-200-20

10 m



External antenna for Safety Simplifier, cable length

Simplifier EXTA 2 m

SP-X-88-200-23

2 m



External antenna for Safety Simplifier, cable length

Simplifier EXTA 5 m

SP-X-88-200-22

5 m



External antenna for Safety Simplifier, cable length

Simplifier EXTA 8 m

SP-X-88-200-21

8 m



Free software for the Safety Simplifier System




Simplifier Manager





Safety System Products

S00RB-H00-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

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

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