



SSP

Safety System Products

**S14LDRB-H10-Q1A0-Q2A0-Q3C0-Q4A0-Q5M0-Q6M0-Q7U0
-Q8U0**

Your advantages

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S14LDRB-H10-Q1A0-Q2A0-Q3C0-Q4A0-Q5M0-Q6M0-Q7U0-Q8U0

General data

Item number	SP-X-89-002-36
Type designation	S14LDRB-H10-Q1A0-Q2A0-Q3C0-Q4A0-Q5M0-Q6M0-Q7U0-Q8U0
Functional type	safety PLC with safe wireless interface, internal antenna

Connection

- Position 1	Q1A0 - Connection bottom left with cover
- Position 2	Q2A0 - Connection top left with cover
- Position 4	Q4A0 - Connection top right with cover
- Position 3	Q3C0 - male connector M12 5-Pin

Connection front

- Position 5	Q5M0 - M12 8-pin female connector for RFID sensor SAFIX S3-A
- Position 6	Q6M0 - M12 8-pin female connector for RFID sensor SAFIX S3-A
- Position 8	Q8U0 - M12 8-pin female connector for process lock HOLDX R_1
- Position 7	Q7U0 - M12 8-pin female connector for process lock HOLDX R_1

Safety data

CPU

- IEC 61508-2	SIL CL 3
- EN ISO 13849-1: 2008 TM [Year]	20

1-channel input

- IEC 61508-2	SIL CL 2
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2-channel input

- IEC 61508-2	SIL CL 3
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1-channel OSSD output

- IEC 61508-2	SIL CL 2
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- EN ISO 13849-1: 2008 TM [Year] 20

2- channel OSSD Output

- EN ISO 13849-1:2015 Category 2

Approvals CE, TÜV

Environmental conditions

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

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

Electrical data

Technical data wireless safety

- max. amount of safe wireless channels 16

Channels

- 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 10 2450 MHz

- Channel 11 2455 MHz

- Channel 12 2460 MHz

- Channel 13 2465 MHz

- Channel 14 2470 MHz

- Channel 15 2475 MHz

- Channel 16 2480 MHz

General data

Current consumption 82 mA with LED display

Programming connection Micro USB Wireless-Interface

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S14LDRB-H10-Q1A0-Q2A0-Q3C0-Q4A0-Q5M0-Q6M0-Q7U0-Q8U0

Memory card	Installation of memory card MEM SP-N-88-001-93 possible
Type terminal connection	clamp terminal
- amount of clamps	32
Conductor cross section	
- single wire	0,08 ... 0,5 mm ²
- fine wire	0,08 ... 0,5 mm ²
- fine wired (wire sleeve with plastic collar)	0,08 ... 0,5 mm ²
- fine wired (wire sleeve without plastic collar)	0,25 mm ²
stripping length	5-6 mm
configurable In-/ Outputs	
14 semiconductor In-/ Outputs with help of software configurable	
Amount of safe inputs	max. 14
Amount of safe semi-conductors OSSD outputs	max. 14
Amount of semi-conductors auxilliary outputs	max. 14
Amount of semi-conductors clock outputs	max. 8
Technical data inputs	
Input voltage	HIGH 75% from UB (adjustable by software) LOW 25% from UB (adjustable by software)
Input current	HIGH 75% from UB (adjustable by software) LOW 25% from UB (adjustable by software)
Technical data safe OSSD outputs, auxilliary and test pulse outputs	
Output type	PNP-Semi-conductor
Output voltage	Operating voltage UB -0,5 V
Seperate output current	max. 600 mA (with UB 24 V)
Total output current	max. 0,6 mA (with UB 24 V)
Short-circuit proof	Yes
Mechanical data	
Installation opening of buttons	22,5 mm
Type of housing	H10
Width	42 mm



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Dimensions

Length	253 mm
Height	44 mm

Equipment

Wireless Safety

Article code ZMT	Installation wrench	SP-X-88-001-25	
Article code ZMB	Mounting plate big	SP-N-88-850-02	
Article code ZMS	Mountingplate small	SP-N-88-850-01	
Article code ZSD	Screw with seal	SP-X-88-001-89	
	Simplifier Monitor SRM	SP-N-88-850-03	
Fastening set for Safety Simplifier	Simplifier ZHS	SP-X-88-001-91	

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