



SSP

Safety System Products

S14LDRB-H10-Q1A0-Q2A0-Q3C0-Q4A0-Q5M0-Q6M0-Q7M0-Q8M0-W35

Your advantages

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General data

Item number	SP-X-89-100-05
Type designation	S14LDRB-H10-Q1A0-Q2A0-Q3C0-Q4A0-Q5M0-Q6M0-Q7M0-Q8M0-W35
Functional type	safety PLC with safe wireless interface, internal antenna
- Position 1	Q1A0- Connection bottom left with cover

Connection

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

Connection front

- Position 5	Q5M0 - female connector M12 8-pin
- Position 6	Q6M0 - female connector M12 8-pin
- Position 7	Q7M0 - Female Connector M12 8-pins
- Position 8	Q8M0 - Female Connector M12 8-pins

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
- EN ISO 13849-1: 2008 TM [Year]	20

2- channel OSSD Output

- EN ISO 13849-1:2015	Category 2
Approvals	CE, TÜV

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Environmental conditions

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

Electrical data

Technical data wireless safety

Channels

- 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 10	2450 MHz
- Channel 9	2445 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
Memory card	Installation of memory card MEM SP-N-88-001-93 possible
Type terminal connection	clamp terminal
Programming connection	Micro USB Wireless-Interface
- amount of clamps	32

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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
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Technical data inputs

Amount of semi-conductors auxilliary outputs	max. 14
Amount of semi-conductors clock outputs	max. 8
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

Dimensions

Length	253 mm
Height	44 mm

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