



SSP

Safety System Products

S14LDRB-H0A-E2-I1-I1-K4-Q1A0-Q2A0-Q3C0-Q4I0-W41

Safety Simplifier | for SAFIX

Your advantages

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Safety System Products

S14LDRB-H0A-E2-I1-I1-K4-Q1A0-Q2A0-Q3C0-Q4I0-W41

General data

Type designation	S14LDRB-H0A-E2-I1-I1-K4-Q1A0-Q2A0-Q3C0-Q4I0-W41
Item number	SP-X-89-100-10
Functional type	safety PLC with safe wireless interface, internal antenna

Button position 1

Type designation	E2
Function type	Emergency- Stop- Button

Button position 2

Type designation	I1
Function type	Illuminated Button

Button position 3

Type designation	I1
Function type	Illuminated Button

Button position 4

Type designation	K4
Function type	Key switch resting, 2 Positions, 2 x NO
Colour	red, yellow, green, blue, white

Connection

- Position 1	Q1A0 - Connection bottom left with cover
- Position 2	Q2A0 - Connection top left with cover
- Position 3	Q3C0- male connector M12 5-Pin
- Position 4	Q4I0 - female connector M12 8-pin

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

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

Electrical data

Technical data wireless safety

- max. amount of safe wireless channels	16
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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 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

Conductor cross section

- single wire	0,08 ... 0,5 mm ²
- fine wire	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
Input current	HIGH 2,4 mA ... 3,8 mA LOW -2,5 mA ... 2,1 mA
Output type	PNP- Semiconductor



Safety System Products

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Output voltage	Operation voltage UB -0,5 V
Seperate output current	max. 600 mA (with UB 24 V)
Total output current	max. 2 A (with UB 24 V)
Button position 1	
Type designation	E2
Function type	Emergency- Stop- Button
Switch type	2 Openers + LED
Bounce time NO	<10 ms
Bounce time NC	<10 ms
Break contact force opening	according to EN60947-5-1 Anh-K
Illumination	LED
mechanical lifespan	50.000 switching cycles
electrical lifespan	50.000 switching cycles
B10d- Value	250.000
Button position 2	
Type designation	I1
Function type	Illuminated Button
Switch type	1 closing device + LED
Bounce time NO	<10
Bounce time NC	<10
Break contact force opening	according to EN60947-5-1 Anh-K
Illumination	LED
mechanical lifespan	30.000 switching cycles
electrical lifespan	30.000 switching cycles
Button position 3	
Type designation	I1
Function type	Illuminated Button
Colour	red, yellow, green, blue, white
Switch type	1 closing device + LED
Bounce time NO	<10
Bounce time NC	<10
Break contact force opening	according to EN60947-5-1 Anh-K
Illumination	LED



Safety System Products

S14LDRB-H0A-E2-I1-I1-K4-Q1A0-Q2A0-Q3C0-Q4I0-W41

mechanical lifespan	30.000 switching cycles
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electrical lifespan	30.000 switching cycles
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Button position 4

Type designation	K4
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Function type	Key switch resting, 2 Positions, 2 x NO
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Switch type	2 closing devices
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Bounce time NO	<10
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Bounce time NC	<10
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Break contact force opening	according to EN60947-5-1 Anh-K
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Illumination	LED
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mechanical lifespan	1.000.000 switching cycles
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electrical lifespan	1.000.000 switching cycles
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General data

Memory card	Installation of a memory card MEM-SP-N-88-001-93 possible
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Programming connection	Micro USB
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Type terminal connection	clamp terminals
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- fine wired (wire sleeve with plastic collar)	0,08 ... 0,5 mm ²
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Input voltage	HIGH 75% from UB (adjustable by software) LOW 25% from UB (adjustable by software)
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Technical data inputs

Mechanical data

Installation opening of buttons	22,5 mm
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Type of housing	H08
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Dimensions

Height	44 mm
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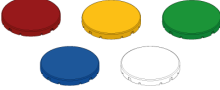


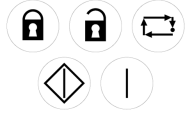
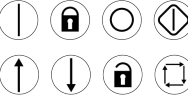
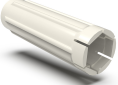
Length	253 mm
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Width	42 mm
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Equipment

Wireless Safety	
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S14LDRB-H0A-E2-I1-I1-K4-Q1A0-Q2A0-Q3C0-Q4I0-W41

Blind cover Standard	Blind cover BD	SP-X-88-001-17	
Article code ZTK5	Button cap set for illuminated buttons	SP-X-88-001-19	
	Inscription label set ZB1	SP-X-88-001-21	
	Inscription label set ZB2	SP-X-88-001-22	
	Inscription label set ZB3	SP-X-88-001-23	
	Inscription label set ZB4	SP-X-88-001-93	
Article code ZMT	Installation wrench	SP-X-88-001-25	

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Article code ZUK	Liftingtool for button and light caps	SP-X-88-001-26	
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	
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	

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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		
	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	
Accessories			
M12-female connector, 12 pin, 10 m	M12-C12101-G	SP-X-33-000-21	
M12-female connector, 12 pin, 20 m	M12-C12201-G	SP-X-33-000-22	
M12-female connector, 5-pin	M12-C51-G	SP-X-33-001-00	

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M12-male connector, 5 pin	M12-C52-G	SP-X-33-001-01	
M12-female connector, 8 pin	M12-C81-G	SP-X-33-001-02	
M12-male connector, 8 pin	M12-C82-G	SP-X-33-001-03	
M12-connecting cable, 12 pin, 1 m	M12-M12-C1213-G	SP-X-33-000-30	
M12-connecting cable, 5 pin, 0,5 m	M12-M12-C5023-G	SP-X-33-000-10	
M12-connecting cable, 5 pin, 1 m	M12-M12-C513-G	SP-X-33-000-11	
M12-connecting cable, 5 pin, 2 m	M12-M12-C523-G	SP-X-33-000-12	
M12-connecting cable, 8 pin, 10 m	M12-M12-C8103-G	SP-X-33-000-09	



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M12-connecting cable, 8 pin, 1 m

M12-M12-C813-G

SP-X-33-000-25



Downloads

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

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