



Safety System Products

S16LDRB-H06-Q1A0-Q2A0-Q3E0-Q4A0-Q5J0-Q6V0-Q7V0-Q8V0-W51

Safety Simplifier | gateway function "standalone"

Your advantages

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General data	
Item number	SP-X-89-100-23
Type designation	S16LDRB-H06-Q1A0-Q2A0-Q3E0-Q4A0-Q5J0-Q6V0-Q7V0-Q8V0-W51
Functional type	safety PLC with safe wireless interface, internal antenna
Body Material	PC + ABS
Connection	
- Position 1	Q1A0: connection bottom left with cover
- Position 2	Q2A0: connection top left with cover
- Position 3	Q3C0: connection bottom right male connector M12 5-Pin
- Position 4	Q4A0: connection top left with cover
Connection front	

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

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

Environmental conditions	
Max. storage temperature	-20 °C ... +65 °C
Protection class	IP65
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 7	2435 MHz
- Channel 6	2430 MHz
- Channel 8	2440 MHz
- Channel 9	2445 MHz
- Channel 10	2450 MHz

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- Channel 12	2460 MHz
- Channel 11	2455 MHz
- Channel 13	2465 MHz
- Channel 14	2470 MHz
- Channel 15	2475 MHz
- Channel 16	2480 MHz
General data	
Supply voltage	10 - 30 V
Current consumption	110 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
Conductor cross section	
- amount of clamps	32
- single wire	0,08 ... 0,5 mm²
- fine wire	0,08 ... 0,5 mm²
- fine wired (wire sleeve with plastic collar)	0,08 ... 0,5 mm²
- fine wired (wire sleeve without plastic collar)	0,25 mm²
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 clock outputs	max. 8
Technical data inputs	
Amount of semi-conductors auxilliary outputs	max. 14
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)

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Technical data safe OSSD outputs, auxilliary and test pulse outputs	
Output type	PNP- Semi-conductor
Seperate output current	max. 600 mA (with UB 24 V)
Total output current	max. 0,6 mA (bei UB 24 V)

Mechanical data	
Installation opening of buttons	22,5 mm
Type of housing	H06
Width	42 mm
Dimensions	
Length	253 mm
Height	44 mm

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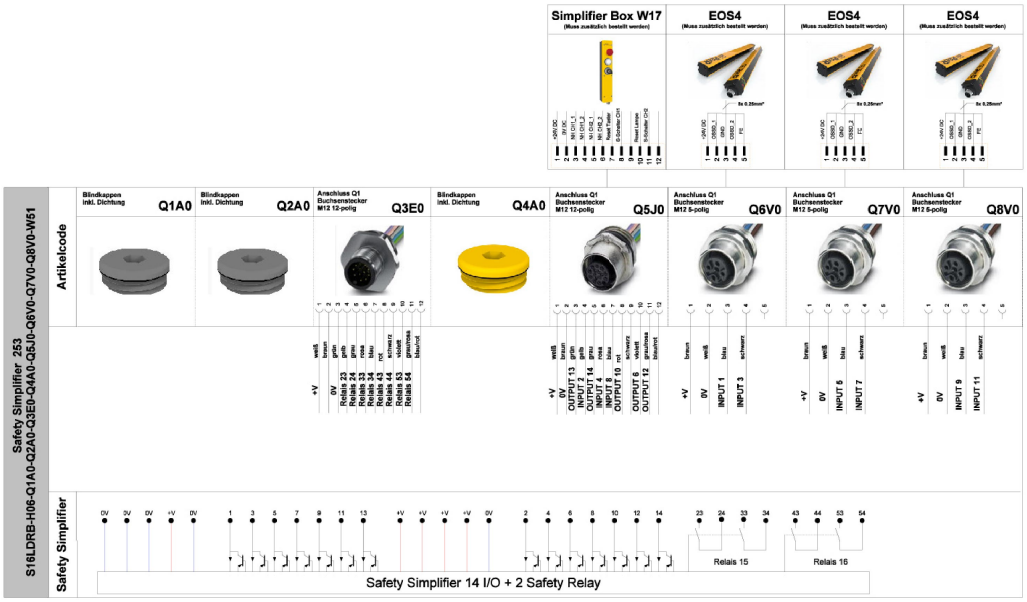
Electrical drawings

Pin assignment 1



Downloads

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

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