





Safety System Products

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

Safety Simplifier | gateway function "standalone"

Your advantages

To the downloads ►



we simplify safety

Safety System Products

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

General data	
Type designation	S16LDRB-H06-Q1A0-Q2A0-Q3E0-Q4A0-Q5J0-Q6V0-Q7V0-Q8V0-W51
Item number	SP-X-89-100-23
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 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 2
- IEC 61508-2	SIL CL 2
- EN 62061 PFHD [1/h]	□
- EN ISO 13849-1: 2008 TM [Year]	20
1-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
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	

Safety System Products

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

- 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 ISO 13849-1: 2008 TM [Year]	20
- EN 62061 PFHD [1/h]	□
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 11	2455 MHz
- Channel 10	2450 MHz
- Channel 12	2460 MHz
- Channel 13	2465 MHz

Safety System Products

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

- 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 mm²
- fine wire	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 auxilliary outputs	max. 14
Amount of semi-conductors clock outputs	max. 8
Input current	HIGH 75% from UB (adjustable by software) LOW 25% from UB (adjustable by software)
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)
General data	
Memory card	Installation of memory card MEM SP-N-88-001-93 possible
Programming connection	Micro USB Wireless-Interface
Type terminal connection	clamp terminal
- fine wired (wire sleeve with plastic collar)	0,08 ... 0,5 mm²
Input voltage	HIGH 75% from UB (adjustable by software) LOW 25% from UB (adjustable by software)
Technical data inputs	

Safety System Products

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

Technical data safe OSSD outputs, auxilliary and test pulse outputs

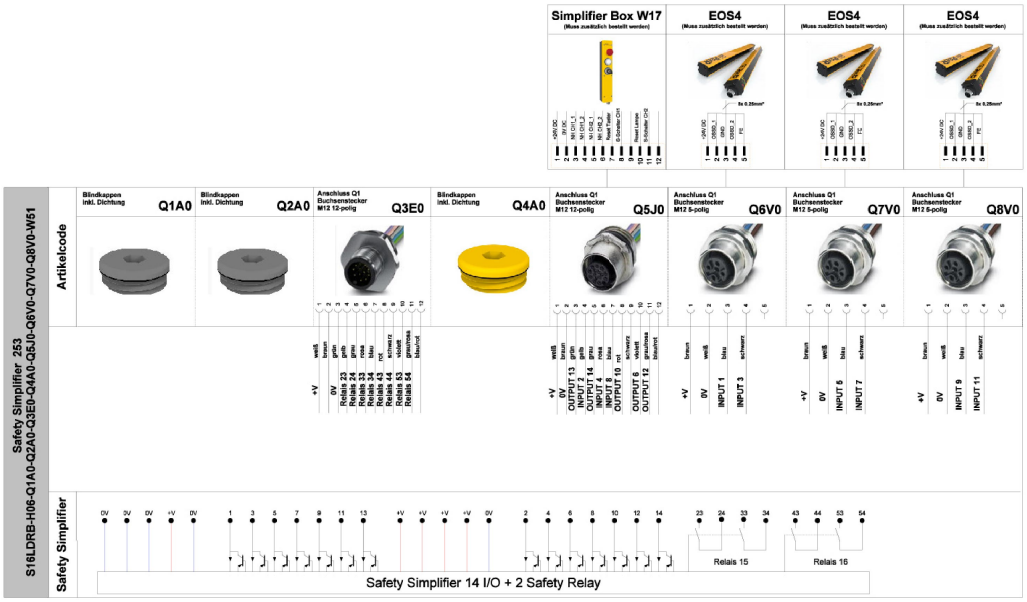
Mechanical data	
Installation opening of buttons	22,5 mm
Type of housing	H06
Dimensions	
Height	44 mm
Length	253 mm
Width	42 mm

Safety System Products

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

Electrical drawings

Pin assignment 1



Equipment

Wireless Safety

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



we simplify safety

Safety System Products

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

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	
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	

Downloads

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

we simplify safety