



# **SSP**

**Safety System Products**

**S14LDRBCA-H06-Q1H0-Q2A0-Q3C0-Q4A0-Q5I0-Q6I0-Q7I0-Q8I0-W47**

**Safety Simplifier Standard Module**

**Your advantages**

**To the downloads ►**



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Safety System Products

## S14LDRBCA-H06-Q1H0-Q2A0-Q3C0-Q4A0-Q5I0-Q6I0-Q7I0-Q8I0-W47

### General data

|                 |                                                           |
|-----------------|-----------------------------------------------------------|
| Item number     | SP-X-89-100-17                                            |
| Functional type | safety PLC with safe wireless interface, internal antenna |
| - Position 1    | Q1H0: Connection bottom left M12 female connector 5-pin   |

### Connection

|              |                                                        |
|--------------|--------------------------------------------------------|
| - 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

|              |                                                   |
|--------------|---------------------------------------------------|
| - Position 5 | Q5I0: Connection cover M12 female connector 8-pin |
| - Position 6 | Q6I0: Connection cover M12 female connector 8-pin |
| - Position 7 | Q7I0: Connection cover M12 female connector 8-pin |
| - Position 8 | Q8I0: Connection cover M12 female connector 8-pin |

### 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 |
|---------------|----------|

#### 2-channel input

|               |          |
|---------------|----------|
| - IEC 61508-2 | SIL CL 3 |
|---------------|----------|

#### 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 2 2410 MHz

- Channel 1 2405 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

- Channel 12 2460 MHz

- Channel 11 2455 MHz

- Channel 13 2465 MHz

- Channel 15 2475 MHz

- Channel 14 2470 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

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|                          |                              |
|--------------------------|------------------------------|
| Type terminal connection | clamp terminal               |
| Programming connection   | Micro USB Wireless-Interface |
| - amount of clamps       | 32                           |

### Conductor cross section

|                                                   |                              |
|---------------------------------------------------|------------------------------|
| - single wire                                     | 0,08 ... 0,5 mm <sup>2</sup> |
| - fine wire                                       | 0,08 ... 0,5 mm <sup>2</sup> |
| - fine wired (wire sleeve with plastic collar)    | 0,08 ... 0,5 mm <sup>2</sup> |
| - fine wired (wire sleeve without plastic collar) | 0,25 mm <sup>2</sup>         |
| 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)<br>LOW 25% from UB (adjustable by software) |
| Input current                                | HIGH 75% from UB (adjustable by software)<br>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. 2 A (with UB 24 V)     |

### Mechanical data

|                 |       |
|-----------------|-------|
| Width           | 42 mm |
| Type of housing | H06   |

### Dimensions

|        |        |
|--------|--------|
| Length | 253 mm |
| Height | 44 mm  |

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### Downloads

- Certificates
- Certificates
- Catalog
- Product line