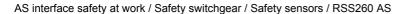
## Datasheet - RSS260-I1-ST-AS







- · Safety sensor, electronic
- Thermoplastic enclosure
- Universal repeatedly teachable or individual coding because of the RFID technology
- I-variants with coding level HIGH to ISO 14119
- Small body, high switching distance
- Protection class IP65 / IP67
- · Individual coding with RFID technology
- Coding level "High" according to ISO 14119

(Minor differences between the printed image and the original product may exist!)

### **Ordering details**

Product type description RSS260-I1-ST-AS Article number 103004640

**EAN Code** 

eCl@ss 27-27-24-02

### **Approval**

Approval



### Classification

Control category

Standards EN ISO 13849-1, IEC 61508

е

PFH value 3.93 x 10-10/ PFD value 6.89 x 10-5

SIL 3 Mission time

20 Years

# **Global Properties**

Permanent light RSS260 AS

Standards EN 50295, ISO 14119, IEC 61508, EN ISO 13849-1 Compliance with the Directives (Y/N) 

Suitable for safety functions (Y/N) 

Number of actuating directions 

Active principle 

Yes

Yes

Yes

RFID

Coding Individual coding

Coding levels according to ISO 14119 High

Materials

- Material of the housings Thermoplastic hotmelt

Weight29Coding available (Y/N)YesResponse time< 100</td>Duration of risk< 200</td>Time to readiness $\leq 2$  sSwitch frequency $\leq 1$ 

Recommended actuator RST260-1

#### **Mechanical data**

Design of electrical connection Connector M8, 4-pole, A-coded

Switch distance 12 9 (in case of approach from side)

Ensured switch distance ON 10

6 (in case of approach from side)

Ensured switch distance OFF

15 (in case of approach from side)

hysteresis < 2 mm

Repeat accuracy R < 0,5 mm

notice Minimum distance between two safety sensors 100 mm

restistance to shock 30 / 11

Resistance to vibration 10 ... 55 HZ, Amplitude 1 mm

Latching (Y/N) No

### **Ambient conditions**

Ambient temperature

Min. environmental temperature
 Max. environmental temperature

Storage and transport temperature

Min. Storage and transport temperature
 Max. Storage and transport temperature
 Protection rating
 III

Air clearances and creepage distances To IEC/EN 60664-1

Rated impulse withstand voltage
Rated insulation voltage
Overvoltage category
Degree of pollution
3

Protection class IP65 / IP67 to IEC/EN 60531

## **Electrical data - AS interface**

AS-i Supply voltage 18 ... 31.6 VDC, Protection against polarity reversal

AS-i operating current ≤ 100

AS-i Device insulation internally short-circuit proof

AS-i Specification Safety Slave

- version V 2.1

- Profile S-0.B.F.E

AS-i Inputs

Channel 1
 Data bits DI 0/DI 1= dynamic code transmission
 Channel 2
 Data bits DI 2/DI 3= dynamic code transmission

AS-i Outputs DO 0 ... DO 3 not used

AS-i Parameter bits

- P0 Actuator in

P1 Hysteresis area notification (FID)
 P2 Tampering protection time active (FID)

- P3 device error (FID)

AS-i input module address (

- Default on address 0, programmable via the AS-Interface Master or Hand-held programming device

notice Set the parameter outputs to "1111" (0xF)

FID: periphery error

### LED switching conditions display

LED switching conditions display (Y/N)

Yes

(1) green/red LED (AS-i duo LED) Supply voltage / Communication error / slave address = 0 / periphery error

detected / Tampering protection time active

(2) yellow LED Device status (Enabling status) / Hysteresis area notification / device error

### **ATEX**

Explosion protection categories for gases

None

Explosion protected category for dusts

None

### **Dimensions**

Dimensions of the sensor

- Width of sensor
- Height of sensor
- Length of sensor
18

### Included in delivery

Actuators must be ordered separately.

#### **Documents**

Operating instructions and Declaration of conformity (en) 505 kB, 16.03.2018

Code: mrl\_rss260lst-as\_en

Operating instructions and Declaration of conformity (de)  $483\ kB$ , 16.03.2018

Code: mrl\_rss260lst-as\_de

Operating instructions and Declaration of conformity (nl) 502 kB, 13.07.2018

Code: mrl\_rss260lst-as\_nl

Operating instructions and Declaration of conformity (pt) 507 kB, 18.04.2018

Code: mrl\_rss260lst-as\_pt

Operating instructions and Declaration of conformity (pl) 519 kB, 14.08.2018

Code: mrl\_rss260lst-as\_pl

Operating instructions and Declaration of conformity (es) 509 kB, 28.03.2018

Code: mrl\_rss260lst-as\_es

Operating instructions and Declaration of conformity (it) 502 kB, 20.06.2018

Code: mrl\_rss260lst-as\_it

Operating instructions and Declaration of conformity (fr) 505 kB, 04.05.2018

Code: mrl\_rss260lst-as\_fr

TÜV certification (de, en) 1 MB, 07.08.2017

Code: z\_rssp02

## **Images**

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, D-42279 Wuppertal The data and values have been checked throroughly. Technical modifications and errors excepted. Generiert am 13.02.2019 - 12:40:38h Kasbase 3.3.0.F.64l