



## RSS260-I2-ST-AS

- Repeated individual coding with RFID technology
- Coding level "High" according to ISO 14119
- Safety sensor, electronic
- Thermoplastic enclosure
- Small body, high switching distance
- Protection class IP65 / IP67

## Data

### Ordering data

Note (Delivery capacity)	Currently not available!
Product type description	RSS260-I2-ST-AS
Article number (order number)	103004641
EAN (European Article Number)	4030661434612
eCl@ss number, version 11.0	27-27-24-03
eCl@ss number, version 9.0	27-27-24-03
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030
Notice	Currently not available!

### Approvals - Standards

Certificates	TÜV cULus ASi-SaW EAC FCC
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## General data

Standards	EN IEC 62026-2 EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-3 EN IEC 61508
Coding	Individual coding, multiple teaching
Coding level according to EN ISO 14119	High
Working principle	RFID
Enclosure material	Thermoplastic hotmelt
Gross weight	55 g
Time to readiness, maximum	2,000 ms
Reaction time, maximum	100 ms
Duration of risk, maximum	200 ms

## General data - Features

Coding	Yes
Safety functions	Yes
Integral system diagnostics, status	Yes
Number of actuating directions	2

## Safety classification

Standards	EN IEC 61508
Performance Level, up to	e
Category	4
PFH value	$3.93 \times 10^{-10}$ /h
PFD value	$6.89 \times 10^{-5}$
Safety Integrity Level (SIL), suitable for applications in	3

Mission time 20 Year(s)

## Mechanical data

Hysteresis (Switching distance), maximum 2 mm

Repeat accuracy R 0.5 mm

## Mechanical data - Switching distances according EN IEC 60947-5-3

Switching distance  $S_n$  12 mm  
9 mm (in case of approach from side)

Assured switching distance "ON", front 10 mm

Assured switching distance "OFF", front 18 mm

Assured switching distance "ON", side 6 mm

Assured switching distance "OFF", side 15 mm

## Mechanical data - Connection technique

Termination Connector M8, 4-pole, A-coded

## Mechanical data - Dimensions

Length of sensor 18 mm

Width of sensor 40 mm

Height of sensor 29.5 mm

## Ambient conditions

Degree of protection IP65  
IP67

Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+60 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+85 °C
Resistance to vibrations	10 ... 55 Hz, amplitude 1 mm
Resistance to shock	30 g / 11 ms
Protection class	III

### Ambient conditions - Insulation values

Rated insulation voltage $U_i$	32 VDC
Rated impulse withstand voltage $U_{imp}$	0.8 kV
Overvoltage category	III
Degree of pollution	3

### Electrical data

Switching frequency, maximum	1 Hz
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### Electrical data - AS Interface

AS-i Operating voltage, minimum	18 VDC
AS-i Operating voltage AS-i maximum	31.6 VDC
Note (AS-i Operating voltage)	Protection against polarity reversal
AS-i Current consumption, maximum	100 mA

### Electrical data - AS-Interface specification

AS-i Specification	Safety-Slave
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AS-i Version	V 2.1
AS-i Profile	S-0.B.F.E
AS-i, IO-Code	0x0
AS-i, ID-Code	0xB
AS-i, ID-Code1	0xF
AS-i, ID-Code2	0xE
AS-i Input, Channel 1	Data bits DI 0 / DI 1 = dynamic code transmission
AS-i Input, Channel 2	Data bits DI 2 / DI 3 = dynamic code transmission
AS-i Outputs, DO 0 ... DO 3	No Function
AS-i Parameter bits, P0	Actuator in
AS-i Parameter bits, P1	Enabling inhibit (tamper protection time) active (FID))
AS-i Parameter bits, P2	Enabling inhibit (tamper protection time) active (FID)
AS-i Parameter bits, P3	Internal device error (FID)
Note (AS-i Parameter bits)	Set the parameter outputs to "1111" (0xF) FID: periphery error
AS-i Input module address	0
Note (AS-i Input module address)	Preset to address 0, can be changed through AS-interface bus master or hand-held programming device

## Status indication

Note (LED switching conditions display)	(1) green/red LED (AS-i Duo LED): Supply voltage / communication error / slave address = 0 / periphery error detected / Tamper protection time active (2) yellow LED: device condition (enabling status) / hysteresis signal / device error
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## Pin assignment

PIN 1	AS-Interface +
PIN 2	n.c. ( $\leq 30$ VDC)
PIN 3	AS-Interface -
PIN 4	n.c. ( $\leq 30$ VDC)

## Scope of delivery

Scope of delivery	Actuators must be ordered separately.
Note (scope of delivery, number and type)	Actuator incl. mounting plate

## Accessory

Recommendation (actuator)	RST260-1
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## Ordering code

Product type description:  
RSS260-(1)-ST-AS

(1)

<b>without</b>	Standard coding
<b>I1</b>	Individual coding
<b>I2</b>	Individual coding, re-teaching enabled
<b>AD</b>	Standard coding, actuator detection

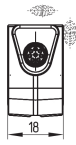
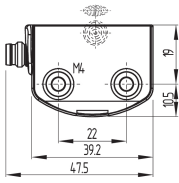
## Pictures

### Product picture (catalogue individual photo)



ID: krss2f01  
| 509.4 kB | .jpg | 352.778 x 281.164 mm - 1000 x 797 px - 72 dpi  
| 40.1 kB | .png | 74.083 x 58.914 mm - 210 x 167 px - 72 dpi

### Dimensional drawing basic component



ID: krss2g02

| 147.2 kB | .ai | 297 x 210.002 mm - 841 x 595 px - 72 dpi

| 4.8 kB | .png | 74.083 x 39.864 mm - 210 x 113 px - 72 dpi

| 121.3 kB | .jpg | 352.778 x 189.089 mm - 1000 x 536 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 12/13/2022, 6:36 AM