



RSS260-ST-AS

- Universal coding with RFID technology
- 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-ST-AS
Article number (order number)	103004638
EAN (European Article Number)	4030661434605
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	Universal coding
Coding level according to EN ISO 14119	Low
Working principle	RFID
Enclosure material	Thermoplastic hotmelt
Gross weight	60 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	3.93×10^{-10} /h
PFD value	6.89×10^{-5}
Safety Integrity Level (SIL), suitable for applications in	3

Mission time	20 Year(s)
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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
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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
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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
Rated operating voltage	18 ... 31.6 VDC (Protection against polarity reversal)

Electrical data - AS-Interface specification

AS-i Specification	Safety-Slave
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	No function
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. (≤ 30 VDC)
PIN 3	AS-Interface -
PIN 4	n.c. (≤ 30 VDC)

Scope of delivery

Scope of delivery	Actuators must be ordered separately.
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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)

without

Standard coding

11

Individual coding

12

Individual coding, re-teaching enabled

AD

Standard coding, actuator detection

Pictures

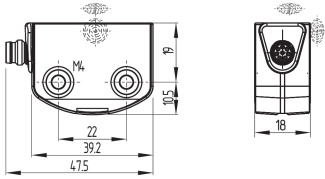
Product picture (catalogue individual photo)

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.

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