



RSS 36-ST-AS

- Universal coding with RFID technology
- without latching
- Thermoplastic enclosure
- RFID-technology for needs-based protection against tampering
- optionally with integrated magnetic latching

Data

Ordering data

Product type description	RSS 36-ST-AS
Article number (order number)	103001531
EAN (European Article Number)	4030661426181
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

Approvals - Standards

Certificates	TÜV cULus ASi-SaW EAC
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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	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	8 g
Time to readiness, maximum	5,000 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	3

Safety classification

Standards	EN IEC 61508
Performance Level, up to	e
Category	4
PFH value	$5.13 \times 10^{-10} /h$
PFD value	3.24×10^{-5}
Safety Integrity Level (SIL), suitable for applications in	3
Mission time	20 Year(s)

Mechanical data

Mechanical life, minimum	1,000,000 Operations
Note (Mechanical life)	Actuating speed 0.25 m/s Operations for door weights ≤ 5 kg
Hysteresis (Switching distance), maximum	2 mm
Repeat accuracy R	0.5 mm

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

Assured switching distance "ON" S _{ao}	10 mm
Assured switching distance "OFF" S _{ar}	16 mm
Switch distance, typical	12 mm

Mechanical data - Connection technique

Termination	Connector plug M12, 4-pole, (A-coding)
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Mechanical data - Dimensions

Length of sensor	22 mm
Width of sensor	106.3 mm
Height of sensor	25 mm

Ambient conditions

Degree of protection	IP65 IP67 IP69K
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °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	II

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 3.0

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.

Accessory

Recommendation (actuator)

RST 36-1

Ordering code

Product type description:

RSS 36-(1)-ST-AS-(2)

(1)

without

Standard coding

AD

Standard coding, actuator detection

11

Individual coding

12

Individual coding, for multiple applications

(2)

without

without latching

R

with latching, latching force approx. 18 N

Pictures

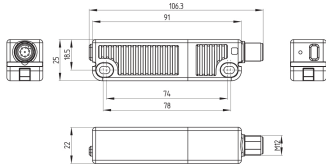
Product picture (catalogue individual photo)

ID: krss3f06

| 836.3 kB | .jpg | 229.658 x 625.122 mm - 651 x 1772 px - 72 dpi

| 122.8 kB | .png | 74.083 x 201.436 mm - 210 x 571 px - 72 dpi

Dimensional drawing basic component



ID: krss3g03

| 97.2 kB | .jpg | 352.778 x 175.683 mm - 1000 x 498 px - 72 dpi

| 1.9 kB | .png | 74.083 x 37.042 mm - 210 x 105 px - 72 dpi

| 6.2 kB | .png | 50.038 x 24.892 mm - 591 x 294 px - 300 dpi

| 19.4 kB | .jpg | 196.144 x 97.719 mm - 556 x 277 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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