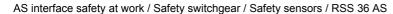
Datasheet - RSS 36-I1-ST-AS-R







- Thermoplastic enclosure
 REID-technology for need
- RFID-technology for needs-based protection against tampering
- optionally with integrated magnetic latching
- · Individual coding with RFID technology
- Coding level "High" according to ISO 14119
- with latching

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

Ordering details

Product type description RSS 36-I1-ST-AS-R

Article number 103001537

EAN Code

eCl@ss 27-27-24-02

Approval

Approval



Classification

Standards EN ISO 13849-1, IEC 61508

PL up e
Control category bis 4

Control category bis 4
PFH value 5.13 x 10-10 /

PFD value 3.24 x 10-5

SIL up 3
Mission time 20 Years

Global Properties

 Permanent light
 RSS 36 AS

 Standards
 EN 50295, IEC 60947-5-3, EN ISO 13849-1, IEC 61508

Compliance with the Directives (Y/N)

Suitable for safety functions (Y/N)

Number of actuating directions

Active principle

Yes

Yes

RFID

Coding Individual coding

Coding levels according to ISO 14119 High

Materials

- Material of the housings Plastic, glass-fibre reinforced thermoplastic, self-extinguishing

Weight80Coding available (Y/N)YesResponse time< 100Duration of risk< 200Time to readiness \leq 5Switch frequency \leq 1

Recommended actuator RST 36-1-R

Mechanical data

Design of electrical connection

Connector M12, 4-pole

Mechanical life

> 1.000.000 operations

- notice - Mechanical life operations for guards \leq \Box 5 kg;

actuating speed ≤ 0,25 m/s

Switch distance12Ensured switch distance ON10Ensured switch distance OFF16hysteresis< 2 mm</td>

Repeat accuracy R < 0,5 mm

Authorised actuator misalignment ± 8 vertical;

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) Yes
Latching force 18

Ambient conditions

Ambient temperature

Min. environmental temperature
 Max. environmental temperature
 +70

Storage and transport temperature

Min. Storage and transport temperature
 Max. Storage and transport temperature
 +85

Protection class IP65 / IP67 to IEC/EN 60529;

IP69K to DIN 40050-9

± 18 horizontal

Protection rating

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

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

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 3.0

- 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)

Ye

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

detected / Tampering protection time active

(2) red LED device error

(3) yellow LED Enabling status / Hysteresis area notification

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
25
- Length of sensor
22

Included in delivery

Actuators must be ordered separately.

Ordering code

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

(1)

AD

without

Included in standard version Coding Included in standard version Coding,

I1 Individual coding

Individual coding, for multiple applications

(2)

without without latching

R with latching, Latching force approx. 18 N

Documents

Operating instructions and Declaration of conformity (en) 348 kB, 19.02.2018

Code: mrl_rss36as-rst36-1_en

Operating instructions and Declaration of conformity (pt) 352 kB, 05.03.2018

Code: mrl_rss36as-rst36-1_pt

Operating instructions and Declaration of conformity (nl) 348 kB, 05.03.2018

Code: mrl_rss36as-rst36-1_nl

Operating instructions and Declaration of conformity (es) 354 kB, 05.03.2018

Code: mrl_rss36as-rst36-1_es

Operating instructions and Declaration of conformity (it) 324 kB, 22.11.2016

Code: mrl_rss36as-rst36-1_it

Operating instructions and Declaration of conformity (de) 326 kB, 19.02.2018

Code: mrl_rss36as-rst36-1_de

Operating instructions and Declaration of conformity (fr) 320 kB, 16.02.2017

Code: mrl_rss36as-rst36-1_fr

Operating instructions and Declaration of conformity (pl) 338 kB, 02.02.2017

Code: mrl_rss36as-rst36-1_pl

TÜV certification (de, en) 505 kB, 12.09.2018

Code: z_rssp01

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 - 12:40:32h Kasbase 3.3.0.F.64I