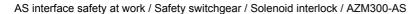
Datasheet - AZM300B-I1-ST-AS-A







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

- · Solenoid interlock with integrated AS-i Safety Interface
- Universal repeatedly teachable or individual coding because of the RFID technology
- I-variants with coding level HIGH to ISO 14119
- High protection class IP69K
- 2 integrated snap-in stages
- Thermoplastic enclosure
- · Individual coding with RFID technology
- Coding level "High" according to ISO 14119
- Suitable for hinged and sliding guards
- 3 different directions of actuation
- Actuator monitored
- Power to lock
- Magnet supply through the AS-Interface

Ordering details

Product type description AZM300B-I1-ST-AS-A

Article number 103005910

EAN Code

eCl@ss 27-27-26-03

Approval

Approval



Classification

Standards EN ISO 13849-1, IEC 61508

PL e Control category 4

PFH 4.0 x 10-10/ h

PFD value 7.0×10^{-5} SIL up 3

Mission time 20 Years

Global Properties

Permanent light AZM300-AS

Standards EN 60947-5-1, ISO 14119, EN ISO 13849-1, IEC 61508, EN 50295

Compliance with the Directives (Y/N)

Suitable for safety functions (Y/N)

Number of actuating directions

Active principle

RFID

Coding Individual coding

Coding levels according to ISO 14119 High

Duty cycle Magnet 100

Materials

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

Housing coatingNoneWeight550Guard locking monitored (Y/N)NoActuator monitored (Y/N)YesReaction time≤ 120Duration of risk≤ 200

Recommended actuator AZ/AZM300-B1

Mechanical data

Switch distance

Time to readiness

Design of electrical connection connector plug M12, 4-pole, A-Coding

Mechanical life ≥ 1.000.000 operations

notice - Mechanical life (when used as door stop) ≥ 50.000 operations for guards ≤ 5 kg;

actuating speed ≤ 0.5 m/s

≤ 5 s

2

- Ensured switch distance ON- Ensured switch distance OFF20

restistance to shock 20 restistance OFF 20

Resistance to vibration 10 ... 150 HZ, Amplitude 0,35 mm

Emergency unlocking device (Y/N) No

Manual release (Y/N) Yes

Emergency release (Y/N) No

Latching (Y/N) Yes

Latching force 25 / 50

Clamping force F 1150 N

Clamping force F 1150 N
fixing screws 2 x M6
- tightening torque 1.8
Actuator and interlock misalignment ≤ 2

Ambient conditions

Ambient temperature

Min. environmental temperatureMax. environmental temperature+60

Storage and transport temperature

Min. Storage and transport temperature
 Max. Storage and transport temperature
 +90

Protection class IP66, IP67 to IEC/EN 60529 IP69K to DIN 40050-9

Protection rating

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

- Rated impulse withstand voltage	0,8
- Rated insulation voltage	32
- Overvoltage category	Ш
- Degree of pollution	3

Electrical data

Power to unlock No
Power to lock Yes

Electrical data - AS interface

AS-i Supply voltage 26.5 ... 31.6 VDC, Protection against polarity reversal

AS-i operating current ≤ 200

AS-i Device insulation internally short-circuit proof

AS-i Specification Safety Slave
- version V 3.0
- Profile S-7.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 Solenoid control
- DO 1 not used

- DO 2 not used - DO 3 not used

AS-i Parameter bits

- P0 safety guard closed and can be locked

- P1
- P2
- P3
Solenoid interlock locked
- Auxiliary voltage in device error (FID)

AS-i input module address 0

- 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

AS-i LED switching conditions display

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

detected / Device fault detected / Tamper protection activated

(2) yellow LED Device status (Enabling status)

(3) red LED device error

ATEX

Explosion protection categories for gases

None
Explosion protected category for dusts

None

Dimensions

Dimensions of the sensor

- Width of sensor 87.4

- Height of sensor

102.6

- Length of sensor

34.4

Documents

Operating instructions and Declaration of conformity (fr) 1 MB, 24.10.2018

Code: mrl_azm300as_fr

Operating instructions and Declaration of conformity (nl) 1 MB, 10.10.2018

Code: mrl_azm300as_nl

Operating instructions and Declaration of conformity (cn) 1 MB, 22.11.2018

Code: mrl_azm300as_cn

Operating instructions and Declaration of conformity (en) 1 MB, 09.08.2018

Code: mrl_azm300as_en

Operating instructions and Declaration of conformity (it) 1 MB, 12.09.2017

Code: mrl_azm300as_it

Operating instructions and Declaration of conformity (pt) 1 MB, 23.08.2018

Code: mrl_azm300as_pt

Operating instructions and Declaration of conformity (es) 1 MB, 23.08.2018

Code: mrl_azm300as_es

Operating instructions and Declaration of conformity (de) 1 MB, 09.08.2018

Code: mrl_azm300as_de

Operating instructions and Declaration of conformity (pl) 1 MB, 26.11.2018

Code: mrl_azm300as_pl

TÜV certification (de, en) 761 kB, 17.09.2018

Code: z_azmp05

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 - 12:45:10h Kasbase 3.3.0.F.64I