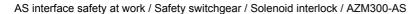
# Datasheet - AZM300Z-I1-ST-AS-P







(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
- · Guard locking monitored
- · Power to unlock
- Solenoid supply 24 (Aux)

### **Ordering details**

Product type description AZM300Z-I1-ST-AS-P

Article number 103005922

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 x 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) ( Yes Suitable for safety functions (Y/N) Yes Number of actuating directions 3

Active principle RFID Coding levels according to ISO 14119 High

Coding Individual coding

Duty cycle Magnet 100

Materials

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

Housing coatingNoneWeight550Guard locking monitored (Y/N)YesActuator monitored (Y/N)NoReaction time≤ 120Duration of risk≤ 200Time to readiness≤ 5 s

Recommended actuator AZ/AZM300-B1

### **Mechanical data**

Switch distance

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)  $\geq 50.000$  operations for guards  $\leq 5$  kg;

actuating speed  $\leq 0.5$  m/s

2

≤ 2

- Ensured switch distance ON 1
- Ensured switch distance OFF 20

restistance to shock 30 / 11

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 fixing screws 2 x M6 - tightening torque 1.8

### **Ambient conditions**

Ambient temperature

Min. environmental temperature
 Max. environmental temperature

Storage and transport temperature

Actuator and interlock misalignment

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 II 🗆

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 Yes
Power to lock No

#### Electrical data - AS interface

AS-i Supply voltage 18.0 ... 31.6 , 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-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 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

### Electrical data - Auxiliary voltage (Aux)

Supply voltage 24 (-15 / +10 ), stabilised PELV

Operating current  $\leq 300$ Device insulation  $\leq 4 \text{ A}$ 

### 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**

#### **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 - 12:45:18h Kasbase 3.3.0.F.64l