

AZM300Z-I2-ST-AS-T



- Emergency exit
- Power to unlock
- Hygienic design
- Protection class IP 69
- Thermoplastic enclosure
- Guard locking monitored
- 2 integrated snap-in stages
- 3 different directions of actuation
- Suitable for hinged and sliding guards
- Magnet supply through the AS-Interface
- Coding level "High" according to ISO 14119
- I-variants with coding level HIGH to ISO 14119
- Repeated individual coding with RFID technology
- Solenoid interlock with integrated AS-i Safety Interface
- Universal repeatedly teachable or individual coding because of the RFID technology

Data

Ordering data

Product type description	AZM300Z-I2-ST-AS-T
Article number (order number)	103011892
EAN (European Article Number)	4030661480428
eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03

Approval - Standards

Certificates	TÜV
	cULus
	ASi-SaW
	ECOLAB
	EAC
	FCC

General data

Product name	AZM 300-AS
	IEC 61508
	ISO 13849-1
Standards	EN 60947-5-1
	ISO 14119
	EN 62026-2
general information	Individual coding, multiple teaching
Coding level according to ISO 14119	High
Active principle	RFID
Enclosure material	Glass-fibre, reinforced thermoplastic
Gross weight	644 g
Time to readiness, maximum	5,000 ms
Reaction time, maximum	120 ms
Duration of risk, maximum	200 ms

General data - Features

Power to unlock	Yes
Guard locking monitored	Yes
Latching	Yes
Emergency exit	Yes
Safety functions	Yes
Integral System Diagnostics, status	Yes
Number of actuating directions	3

Safety appraisal

Standards	IEC 61508
Performance level, up to	e
Control category to EN13849	4
PFH-value	4.00×10^{-10} /h
PFD value	7.00×10^{-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 lifetime)	When using as door stop: ≥ 50.000 operations (door mass ≤ 5 kg and actuating speed ≤ 0.5 m/s)
Switch distance	2 mm
Ensured switch distance "ON" S_{ao}	1 mm

Ensured switch distance "OFF" S _{ar}	20 mm
Clamping force	1,150 N
Latching force, adjustable, position 1	25 N
Latching force, adjustable, position 2	50 N

Mechanical data - Connection technique

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

Length of sensor	55 mm
Width of sensor	87.4 mm
Height of sensor	128.5 mm

Ambient conditions

Degree of protection	IP 66 to IEC/EN 60529 IP 67 to IEC/EN 60529 IP69K to DIN 40050-9
Ambient temperature, minimum	+0 °C
Ambient temperature, maximum	+60 °C
Storage and transport temperature, minimum	-10 °C
Storage and transport temperature, maximum	+90 °C
Resistance to vibrations to EN 60068-2-6	10 ... 150 Hz, amplitude 0.35 mm
Resistance to shock	30 g / 11 ms
Protection rating	II

Ambient conditions - Insulation value

Rated impulse withstand voltage U _{imp}	0.8 kV
Overvoltage category	III
Degree of pollution to VDE 0100	3

Electrical data - AS Interface

AS-i Operating voltage, minimum	26.5 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	200 mA

Electrical data - AS-Interface specification

AS-i Specification	Safety-Slave
AS-i Version	V 3.0
AS-i Profile	S-7.B.F.E
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	Solenoid control
AS-i Outputs, DO 1	No Function
AS-i Outputs, DO 2	No Function
AS-i Outputs, DO 3	No Function
AS-i Parameter bits, P0	Safety guard closed and can be locked
AS-i Parameter bits, P1	Solenoid interlock locked
AS-i Parameter bits, P2	Auxiliary voltage in
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/device error detected/manipulation protection active (2) LED yellow: Device condition (Enabling status) (3) LED red: Internal device error
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Pin assignment

PIN 1	AS-Interface +
PIN 2	Aux - (P)
PIN 3	AS-Interface -
PIN 4	Aux + (P)

Scope of delivery

Included in delivery	Actuators must be ordered separately.
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Accessory

Recommendation (actuator)	AZ/AZM300-B1
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Ordering code

Product type description:
AZM300(1)(2)-ST-AS-(3)(4)(5)

(1)

Z Guard locking monitored

B Actuator monitored

(2)

without Standard coding

I1 Individual coding

I2 Individual coding, multiple teaching

(3)

without Power to unlock

A Power to lock

(4)

without Magnet supply from AS-Interface

P Magnet supply 24 VDC (AUX)

(5)

without Manual release

N Emergency release

T Emergency exit

T8 Emergency exit, distance 8.5 mm

Pictures

Product picture (catalogue individual photo)



ID: kazm3f29

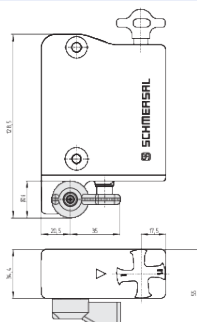
| 38,1 kB | .png | 74.083 x 79.728 mm - 210 x 226

Pixel - 72 dpi

| 578,4 kB | .jpg | 352.425 x 379.942 mm - 999 x 1077

Pixel - 72 dpi

Dimensional drawing basic component



ID: kazm3g03

| 13,6 kB | .png | 74.083 x 120.65 mm - 210 x 342

Pixel - 72 dpi

| 186,0 kB | .jpg | 352.778 x 575.028 mm - 1000 x

1630 Pixel - 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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