



AZM190-11/01RK-24VDC

- Thermoplastic enclosure
- Long life
- Interlock with protection against incorrect locking.
- 89 mm x 178 mm x 41 mm
- Actuating head can be repositioned by 4 x 90°
- 2 cable entries M 20 x 1.5
- Wiring compartment
- Slim design, particularly suitable for fitting on hinged doors, aluminium profiles and fencing
- Sealing mechanism to prevent the ingress of dirt
- Cut clamp termination

Data

Ordering data

Product type description	AZM190-11/01RK-24VDC
Article number (order number)	137000410
eCl@ss number, version 12.0	27-27-26-03
eCl@ss number, version 11.0	27-27-26-03
eCl@ss number, version 9.0	27-27-26-03
ETIM number, version 7.0	EC002593
ETIM number, version 6.0	EC002593

General data

Standards	BG-GS-ET-19 EN ISO 13849-1 EN ISO 14119 EN IEC 60947-5-1
Coding level according to EN ISO 14119	Low

Working principle	electromechanical
Housing material	Glass-fibre, reinforced thermoplastic
Gross weight	480 g

General data - Features

Power to unlock	Yes
Manual release	Yes
Number of actuating directions	4
Number of auxiliary contacts	1
Number of safety contacts	2
Number of cable glands	2

Safety classification

Standards	EN ISO 13849-1
Performance Level, up to	c
Category	1
B _{10D} Normally-closed contact (NC)	2,000,000 Operations
Note	Electrical life on request.
B _{10D} Normally-open contact (NO)	1,000,000 Operations
Note	at 10% I _e and ohmic load
Mission time	20 Year(s)

Safety classification - Fault exclusion

Please note:	Can be used when fault exclusion for dangerous damage to the 1-channel mechanism is permissible and sufficient protection against manipulation is guaranteed.
Performance Level, up to	d
Category	3
Note	for 2-channel use and with suitable logic unit.

Mission time	20 Year(s)
--------------	------------

Safety classification - Guard locking function

Performance Level, up to	e
--------------------------	---

Note (Performance Level)	Information for the safety classification of the guard locking function is documented in the "Operating instructions" or in the "Operation and mounting" instructions.
--------------------------	--

Mechanical data

Mechanical life, minimum	1,000,000 Operations
--------------------------	----------------------

Holding force F_{Zh} in accordance with EN ISO 14119	1,950 N
--	---------

Holding force $F_{max'}$ maximum	2,550 N
----------------------------------	---------

Latching force	20 N
----------------	------

Positive break force, minimum	20 N
-------------------------------	------

Actuating speed, maximum	0.3 m/s
--------------------------	---------

Mounting	Screws
----------	--------

Type of the fixing screws	2x M5
---------------------------	-------

Mechanical data - Connection technique

Cable entry	2 x M20 x 1,5
-------------	---------------

Termination	Screw terminals
-------------	-----------------

Cable section, minimum	0.5 mm ²
------------------------	---------------------

Cable section, maximum	1.5 mm ²
------------------------	---------------------

Note (Cable section)	All indications including the conductor ferrules.
----------------------	---

Mechanical data - Dimensions

Length of sensor	41 mm
------------------	-------

Width of sensor	52 mm
-----------------	-------

Height of sensor 178 mm

Ambient conditions

Degree of protection IP65
IP67

Ambient temperature +0 ... +50 °C

Protection class II

Ambient conditions - Insulation values

Rated insulation voltage U_i 250 VAC

Rated impulse withstand voltage U_{imp} 4 kV

Electrical data

Thermal test current 4 A

Rated control voltage 24 VDC

Required rated short-circuit current 1,000 A

Electrical power consumption, maximum 8.5 W

Switching element NO contact, NC contact

Switching principle slow action, positive break NC contact

Switching frequency 1,200 /h

Material of the contacts, electrical Silver

Electrical data - Magnet control

Magnet switch-on time 100 %

Test pulse duration, maximum 5 ms

Test pulse interval, minimum 50 ms

Electrical data - Safety contacts

Voltage, Utilisation category 230 VAC
AC-15

Current, Utilisation category 4 A
AC-15

Voltage, Utilisation category 24 VDC
DC-13

Current, Utilisation category 4 A
DC-13

Electrical data - Auxiliary contacts

Voltage, Utilisation category 230 VAC
AC-15

Current, Utilisation category 4 A
AC-15

Voltage, Utilisation category 24 VDC
DC-13

Current, Utilisation category 4 A
DC-13

Other data

Note (applications) sliding safety guard
removable guard
hinged safety guard

Scope of delivery

Scope of delivery Actuator must be ordered separately.

Note

Note (Manual release) front
For maintenance, installation, etc.
For manual release using M5 triangular key, available as accessory

Ordering code

Product type description:
AZM190-(1)RK(2)(3)-(4)-(5)

(1)

02/01	Magnet: 2 NC contacts; actuator: 1 NC contact
02/02	Magnet: 2 NC contacts; actuator: 2 NC contacts
02/10	Magnet: 2 NC contacts; actuator: 1 NO contact
02/11	Magnet: 2 NC contacts; actuator: 1 NC contact/1 NO contact
11/01	Magnet: 1 NC contact/1 NO contact; actuator: 1 NC contact
11/02	Magnet: 1 NC contact/1 NO contact; actuator: 2 NC contacts
11/10	Magnet: 1 NC contact/1 NO contact; actuator: 1 NO contact
11/11	Magnet: 1 NC contact/1 NO contact; actuator: 1 NC contact/1 NO contact

(2)

without	Power to unlock
A	Power to lock

(3)

without	With manual release on the cover side
E0	Without manual release
E1	With manual release from side (right)
N	Emergency release
T	Emergency exit

(4)

without	without LED switching conditions display
G	With LED switching conditions display (for 24 V AC/DC only; cannot be combined with -E1 and -T)

(5)

24VAC	Us: 24 VAC
24 VDC	Us: 24 VDC

