


## Datasheet - AZ 17-02ZK

Safety switch with separate actuator / AZ 17



☒ Preferred typ



- Thermoplastic enclosure
- Double-insulated 
- Long life
- 30 mm x 60 mm x 30 mm
- Small body
- Multiple coding
- High level of contact reliability with low voltages and currents
- Insensitive to soiling
- 8 actuating planes
- cable gland M16

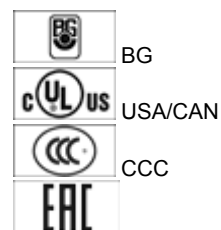
(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	AZ 17-02ZK
Article number	101121961
EAN code	4030661049694
eCl@ss	27-27-26-02

### Approval

Approval



### Classification

Standards	EN ISO 13849-1
B <sub>10d</sub> Normally-closed contact (NC)	2.000.000
Mission time	20 Years
notice	$MTTF_d = \frac{B_{10d}}{0,1 \times n_{op}}$ $n_{op} = \frac{d_{op} \times h_{op} \times 3600 \text{ s/h}}{t_{cycle}}$

Global Properties

Product name	AZ 17
Standards	EN 60947-5-1, BG-GS-ET-15
Materials	
- Material of the housings	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
- Material of the contacts	Silver
Housing coating	None
Weight	85 g

Mechanical data

Design of electrical connection	IDC method of termination
Cable section	
- Min. Cable section	1 x 0,75 mm²
- Max. Cable section	1 x 1 mm²
Mechanical life	> 1.000.000 operations
higher Latching force (Y/N)	No
Latching force	5 N
Positive break force	17 N
positive break travel	11 mm
Max. Actuating speed	2 m/s

Ambient conditions

Protection class	IP67 to IEC/EN 60529
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Electrical data

Design of control element	Opener (NC)
Switching principle	Creep circuit element
Number of auxiliary contacts	0 piece
Number of safety contacts	2 piece
Rated impulse withstand voltage U <sub>imp</sub>	4 kV
Rated insulation voltage U <sub>i</sub>	250 V
Thermal test current I <sub>the</sub>	10 A
Utilisation category	AC-15: 230 V / 4 A DC-13: 24 V / 4 A
Max. fuse rating	6 A gG D-fuse

ATEX

Explosion protection categories for gases	None
Explosion protected category for dusts	None

Dimensions

Dimensions of the sensor	
- Width of sensor	30 mm
- Height of sensor	85 mm
- Length of sensor	30 mm

notice

Individual coding available on request

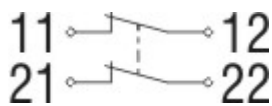
This type termination (IDC) method enables simple connection of flexible conductors without the need for the use of conductor ferrules

Included in delivery

Actuators must be ordered separately.

Slot sealing plugs

Diagram



Note Diagram

- positive break NC contact
- active
- no active
- Normally-open contact
- Normally-closed contact

Switch travel diagram



Notes Switch travel diagram

- Contact closed
- Contact open
- Setting range
- Break point
- Positive opening sequence/- angle
- VS** adjustable range of NO contact
- VÖ** adjustable range of NC contact
- N** after travel

Documents

Operating instructions and Declaration of conformity (pl) 522 kB, 04.07.2016

Code: mrl\_az17\_pl

Operating instructions and Declaration of conformity (ro) 511 kB, 25.01.2012

Code: mrl\_az17\_ro

Operating instructions and Declaration of conformity (sv) 491 kB, 07.08.2015

Code: mrl\_az17\_sv

Operating instructions and Declaration of conformity (jp) 746 kB, 20.01.2017

Code: mrl\_az17\_jp

Operating instructions and Declaration of conformity (it) 490 kB, 04.07.2016

Code: mrl\_az17\_it

**Operating instructions and Declaration of conformity** (da) 510 kB, 25.01.2012

Code: mrl\_az17\_da

**Operating instructions and Declaration of conformity** (es) 492 kB, 22.06.2016

Code: mrl\_az17\_es

**Operating instructions and Declaration of conformity** (de) 536 kB, 07.06.2016

Code: mrl\_az17\_de

**Operating instructions and Declaration of conformity** (en) 535 kB, 07.06.2016

Code: mrl\_az17\_en

**Operating instructions and Declaration of conformity** (fr) 491 kB, 29.04.2016

Code: mrl\_az17\_fr

**Operating instructions and Declaration of conformity** (nl) 493 kB, 04.07.2016

Code: mrl\_az17\_nl

**Operating instructions and Declaration of conformity** (pt) 540 kB, 04.07.2016

Code: mrl\_az17\_pt

**Operating instructions and Declaration of conformity** (cs) 520 kB, 06.04.2016

Code: mrl\_az17\_cs

**BG-test certificate** (en) 159 kB, 26.11.2015

Code: z\_z17p02

**BG-test certificate** (de) 181 kB, 26.11.2015

Code: z\_z17p01

**CCC certification** (cn) 3 MB, 29.08.2017

Code: q\_175p03

**CCC certification** (en) 3 MB, 29.08.2017

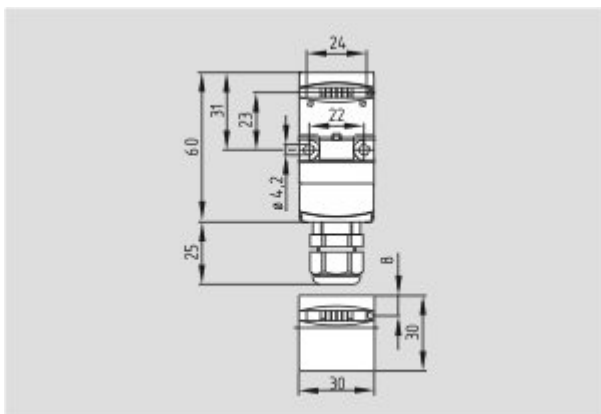
Code: q\_175p02

**EAC certification** (ru) 844 kB, 05.10.2015

Code: q\_6037p17\_ru

## Images

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Dimensional drawing (basic component)

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

Generiert am 30.10.2017 - 12:40:47h Kasbase 3.2.7.F.64l