



## AZ17-02ZK-ST

- Long life
- Small body
- Multiple coding
- Double-insulated
- 8 actuating planes
- Insensitive to soiling
- 30 mm x 78.5 mm x 30 mm
- Thermoplastic enclosure
- Connector M12 x 1, 4-pole
- High level of contact reliability with low voltages and currents

## Data

### Ordering data

|                               |               |
|-------------------------------|---------------|
| Product type description      | AZ 17-02ZK-ST |
| Article number (order number) | 101140773     |
| EAN (European Article Number) | 4030661119724 |
| eCl@ss number, Version 9.0    | 27-27-26-02   |
| eCl@ss number, Version 11.0   | 27-27-26-02   |

### Approval - Standards

|              |       |
|--------------|-------|
| Certificates | BG    |
|              | cULus |
|              | CCC   |
|              | EAC   |
|              | CNCA  |

### General data

|                                      |                                                                   |
|--------------------------------------|-------------------------------------------------------------------|
| Product name                         | AZ 17                                                             |
| Coding level according to ISO 14119  | Low                                                               |
| Enclosure material                   | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver                                                            |
| Gross weight                         | 80 g                                                              |

### General data - Features

|                           |   |
|---------------------------|---|
| Number of safety contacts | 2 |
|---------------------------|---|

## Safety appraisal

|              |                |
|--------------|----------------|
| Standards    | EN ISO 13849-1 |
| Mission Time | 20 Year(s)     |

## Safety appraisal - Safety outputs

|                                   |                      |
|-----------------------------------|----------------------|
| B10d Normally-closed contact (NC) | 2,000,000 Operations |
|-----------------------------------|----------------------|

## Mechanical data

|                               |                      |
|-------------------------------|----------------------|
| Mechanical life, minimum      | 1,000,000 Operations |
| Latching force                | 5 N                  |
| positive break travel         | 11 mm                |
| Positive break force, minimum | 17 N                 |
| Actuating speed, maximum      | 2 m/s                |

## Mechanical data - Connection technique

|                    |                                        |
|--------------------|----------------------------------------|
| Terminal Connector | Connector plug M12, 4-pole, (A-coding) |
|--------------------|----------------------------------------|

## Mechanical data - Dimensions

|                  |         |
|------------------|---------|
| Length of sensor | 30 mm   |
| Width of sensor  | 30 mm   |
| Height of sensor | 78.5 mm |

## Ambient conditions

|                      |                       |
|----------------------|-----------------------|
| Degree of protection | IP 67 to IEC/EN 60529 |
|----------------------|-----------------------|

## Ambient conditions - Insulation value

|                                           |       |
|-------------------------------------------|-------|
| Rated insulation voltage $U_i$            | 250 V |
| Rated impulse withstand voltage $U_{imp}$ | 4 kV  |

## Electrical data

|                            |                       |
|----------------------------|-----------------------|
| Thermal test current       | 10 A                  |
| Utilisation category AC-15 | 230 VAC               |
| Utilisation category AC-15 | 4 A                   |
| Utilisation category DC-13 | 24 VDC                |
| Utilisation category DC-13 | 4 A                   |
| Switching element          | Opener (NC)           |
| Switching principle        | Creep circuit element |

## Scope of delivery

Included in delivery                      Actuators must be ordered separately.  
Slot cover for dust-proof covering of the opening not in use

## Notes

Note (General)                      Individual coding available on request

## Ordering code

Product type description:

AZ 17-(1)Z(2)K-(3)-(4)-(5)

(1)

**11** 1 NO contacts/1 NC contact

**02** 2 NC contact

(2)

**without** Latching force 5 N

**R**              Latching force 30 N

(3)

**without** M16 cable gland

**2243**      Front cable entry

**2243-1**    Rear cable entry

**ST**              M12 connector, 4 pole

(4)

**1637** Gold-plated contacts

(5)

**5M** Cable length 5 m

**6M** Cable length 6 m

## Pictures

**Product picture (catalogue individual photo)**



ID: kaz17f17

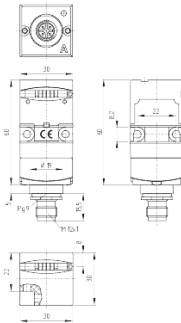
| 106,0 kB | .png | 74.083 x 160.161 mm - 210 x 454

Pixel - 72 dpi

| 651,2 kB | .jpg | 221.192 x 478.367 mm - 627 x 1356

Pixel - 72 dpi

## Dimensional drawing basic component



ID: kaz17g03

| 265,7 kB | .jpg | 352.778 x 626.533 mm - 1000 x

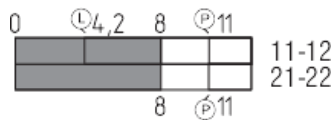
1776 Pixel - 72 dpi

| 44,7 kB | .cdr |

| 8,1 kB | .png | 74.083 x 131.586 mm - 210 x 373

Pixel - 72 dpi

## Switch travel diagram



ID: kaz17s02

| 2,0 kB | .png | 74.083 x 26.458 mm - 210 x 75 Pixel -

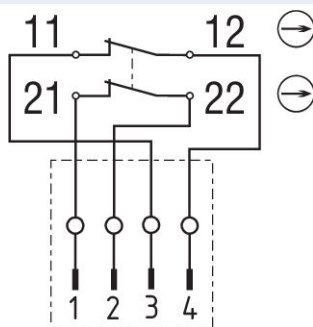
72 dpi

| 20,1 kB | .cdr |

| 55,6 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355

Pixel - 72 dpi

## Diagram



ID: kaz17k04

| 105,4 kB | .jpg | 352.778 x 369.006 mm - 1000 x

1046 Pixel - 72 dpi

| 18,8 kB | .cdr |

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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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