



AZ 17-02ZK-ST

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

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 |
| ETIM number, version 7.0 | EC002592 |
| ETIM number, version 6.0 | EC002592 |

Approval - Standards

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|--------------|---------------------------|
| Certificates | BG cULus CCC EAC |
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General data

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

General data - Features

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| Number of safety contacts | 2 |
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Safety appraisal

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

Safety appraisal - Safety outputs

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

Mechanical data

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|-------------------------------|----------------------|
| 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

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

Mechanical data - Dimensions

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

Ambient conditions

Degree of protection IP67 to 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

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern

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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