



TKM/9024VDC

- Metal enclosure
- High holding force

Data

Ordering data

| | |
|-------------------------------|---------------|
| Product type description | TKM/9024VDC |
| Article number (order number) | 101010229 |
| EAN (European Article Number) | 4030661459097 |
| eCl@ss number, version 9.0 | 27-27-26-03 |
| eCl@ss number, version 11.0 | 27-27-26-03 |
| eCl@ss number, version 12.0 | 27-27-26-03 |
| ETIM number, version 7.0 | EC002593 |
| ETIM number, version 6.0 | EC002593 |

Approvals - Standards

| | |
|--------------|---------------------|
| Certificates | cULus CCC EAC |
|--------------|---------------------|

General data

| | |
|-------------------------------------|--------------------------------|
| Standards | EN 60947-5-1 EN ISO 13849-1 |
| Coding level according to ISO 14119 | Low |
| Working principle | electromechanical |
| Enclosure material | Aluminium |

| | |
|--------------------------------------|---------|
| Material of the contacts, electrical | Silver |
| Gross weight | 1,400 g |

General data - Features

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|--------------------------------|-----|
| Power to lock | Yes |
| Number of actuating directions | 3 |
| Number of auxiliary contacts | 2 |
| Number of safety contacts | 2 |

Safety classification

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

Safety classification - Safety outputs

| | |
|---|----------------------|
| B _{10D} Normally-closed contact (NC) | 2,000,000 Operations |
| B _{10D} Normally open contact (NO) | 1,000,000 Operations |

Mechanical data

| | |
|---|----------------------|
| Mechanical life, minimum | 2,000,000 Operations |
| Holding force in accordance with EN ISO 14119 F _{zh} | 4,000 N |
| Latching force | 20 N |
| Positive break force, minimum | 20 N |
| Actuating speed, maximum | 0.3 m/s |

Mechanical data - Connection technique

| | |
|------------------------|---|
| Type of connection | Screw terminals |
| Cable section, minimum | 2 x 0.75 mm ² |
| Cable section, maximum | 2 x 2.5 mm ² |
| Note (Cable section) | All indications including the conductor ferrules. |

Mechanical data - Dimensions

| | |
|------------------|--------|
| Length of sensor | 50 mm |
| Width of sensor | 87 mm |
| Height of sensor | 192 mm |

Ambient conditions

| | |
|------------------------------|--------|
| Degree of protection | IP67 |
| Ambient temperature, minimum | +0 °C |
| Ambient temperature, maximum | +50 °C |

Ambient conditions - Insulation values

| | |
|---|--------|
| Rated insulation voltage U_i | 400 V |
| Rated impulse withstand voltage U_{imp} | 2.5 kV |

Electrical data

| | |
|---------------------------------------|------------------------|
| Thermal test current | 10 A |
| Rated control voltage | 24 VAC/DC |
| Electrical power consumption, maximum | 10 W |
| Switching element | NO contact, NC contact |
| Switching principle | Creep circuit element |

Electrical data - Safety contacts

| | |
|-------------------------------------|---------|
| Voltage, Utilisation category AC-15 | 230 VAC |
| Current, Utilisation category AC-15 | 8 A |
| Voltage, Utilisation category DC-13 | 24 VDC |
| Current, Utilisation category DC-13 | 5 A |

Electrical data - Auxiliary contacts

| | |
|-------------------------------------|---------|
| Voltage, Utilisation category AC-15 | 230 VAC |
|-------------------------------------|---------|

| | |
|-------------------------------------|--------|
| Current, Utilisation category AC-15 | 8 A |
| Voltage, Utilisation category DC-13 | 24 VDC |
| Current, Utilisation category DC-13 | 5 A |

Scope of delivery

Scope of delivery Actuators must be ordered separately.

Documents

Operating instructions and Declaration of conformity

TKM/TKF (296.1 kB, 10/05/2019, Revision B)

Pictures

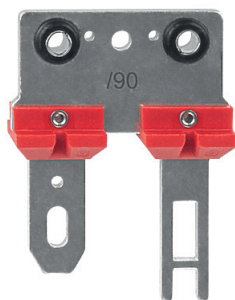
Product picture (catalogue individual photo)



ID: ktkm-f04
| 280.8 kB | .jpg | 352.778 x 234.95 mm - 1000 x 666 px - 72 dpi
| 26.3 kB | .png | 74.083 x 49.389 mm - 210 x 140 px - 72 dpi

System components

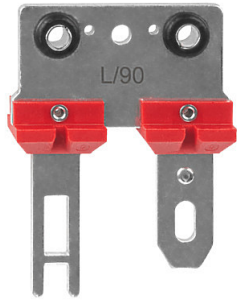
Actuator



TK/P/90



TK/PF/90



TK/PL/90



TK/PR/90

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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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