



TKM/2TOE/9024VDC

- Metal enclosure
- High holding force

Data

Ordering data

eCl@ss number, Version 9.0	27-27-26-03
eCl@ss number, Version 11.0	27-27-26-03

Approval - Standards

Certificates	CCC EAC
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General data

Standards	EN 60947-5-1 EN ISO 13849-1
Coding level according to ISO 14119	Low
Active principle	electromechanical
Enclosure material	Aluminium
Material of the contacts, electrical	Silver
Gross weight	1,400 g

General data - Features

Power to lock	Yes
Number of actuating directions	3
Number of auxiliary contacts	1
Number of safety contacts	3

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
B10d Normally open contact (NO)	1,000,000 Operations

Mechanical data

Mechanical life, minimum	2,000,000 Operations
Clamping force in accordance with ISO14119 Fzh	4,000 N
Latching force	20 N
Positive break force, minimum	20 N
Actuating speed, maximum	0.3 m/s

Mechanical data - Connection technique

Terminal Connector	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 about the cable section are 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 to EN 60529
Ambient temperature, minimum	+0 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation value

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 AC15	230 VAC
Current, Utilisation category AC-15	8 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	5 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	8 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	5 A

Scope of delivery

Included in delivery

Actuators must be ordered separately.

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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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