



TZF24VDC

- Holding force 1500 N
- Thermoplastic enclosure

Data

Ordering data

Product type description	TZF24VDC
Article number (order number)	131010266
EAN (European Article Number)	8905236106101
eCI@ss number, Version 9.0	27-27-26-03

General data

Standards	EN 60947-5-1 BG-GS-ET-19
Active principle	Low electromechanical
Enclosure material	Glass-fibre, reinforced thermoplastic
Material of the contacts, electrical	Silver
Gross weight	480 g

General data - Features

Power to unlock	Yes
Number of actuating directions	4
Number of auxiliary contacts	1
Number of safety contacts	2

Safety appraisal

Standards	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	1,000,000 Operations
Clamping force in accordance with ISO14119 F_{zh}	1,500 N
Latching force	20 N
positive break travel	3.5 mm
Positive break force, minimum	20 N
Actuating speed, maximum	0.3 m/s

Mechanical data - Connection technique

Terminal Connector	Screw terminals
Cable section, minimum	1 x 0.5 mm ²
Cable section, maximum	1 x 1.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Height of sensor	92.5 mm
Length of sensor	41 mm
Width of sensor	129 mm

Ambient conditions

Protection class	IP 65 to IEC/EN 60529 IP 67 to IEC/EN 60529
Ambient temperature, minimum	+0 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	2.5 kV
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Electrical data

Thermal test current	4 A
Rated control voltage	24 VDC
Required rated short-circuit current to EN 60947-5-1	1,000 A
Electrical power consumption, maximum	8.5 W

Switching principle

Creep circuit element

Other data

Note (applications)

sliding safety guard
removable guard
hinged safety guard

Scope of delivery

Included in delivery

Actuators must be ordered separately.

Pictures

Product picture (catalogue individual photo)



ID: ktzf-f09

| 41,0 kB | .png | 74.083 x 57.856 mm - 210 x 164
Pixel - 72 dpi

| 522,4 kB | .jpg | 352.778 x 275.167 mm - 1000 x 780
Pixel - 72 dpi

| 68,8 kB | .jpg | 23.223 x 18.143 mm - 320 x 250 Pixel
- 350 dpi

Product picture (catalogue individual photo)



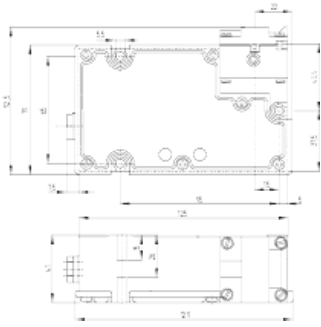
ID: ktzm-f05

| 25,3 kB | .png | 74.083 x 57.856 mm - 210 x 164
Pixel - 72 dpi

| 358,6 kB | .jpg | 352.778 x 275.167 mm - 1000 x 780
Pixel - 72 dpi

| 40,9 kB | .jpg | 23.223 x 18.143 mm - 320 x 250 Pixel
- 350 dpi

Dimensional drawing basic component



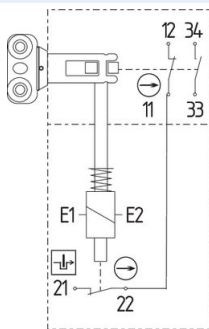
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| 5,3 kB | .png | 74.083 x 74.083 mm - 210 x 210 Pixel
- 72 dpi

| 170,9 kB | .jpg | 352.778 x 352.072 mm - 1000 x 998
Pixel - 72 dpi

| 36,9 kB | .jpg | 112.889 x 112.536 mm - 320 x 319
Pixel - 72 dpi

Diagram



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| 52,2 kB | .jpg | 112.889 x 177.094 mm - 320 x 502
Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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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