



TZFN24VDC

- Holding force 1500 N
- Thermoplastic enclosure

Data

Ordering data

	TZFN24VDC
	131017666
EAN (European Article Number)	8905236106019
eCl@ss number, Version 9.0	27-27-26-03

General data

	EN 60947-5-1
	BG-GS-ET-19
Coding level according to ISO 14119	Low
Active principle	electromechanical
Enclosure material	Glass-fibre, reinforced thermoplastic
Material of the contacts, electrical	Silver
Gross weight	480 g

General data - Features

Emergency release	Yes
Number of actuating directions	4
Number of auxiliary contacts	1
Number of safety contacts	2

Safety appraisal

	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 1 x 0.5 mm ² 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
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Electrical data - Safety contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	4 A

Electrical data - Auxiliary contacts

Voltage, Utilisation category AC15	230 VAC
Current, Utilisation category AC-15	4 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	4 A

Other data

Note (applications)	sliding safety guard removable guard hinged safety guard
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Scope of delivery

Included in delivery	The solenoid interlock AZM400 is not included in delivery.
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Pictures

Photo/Product/Catalogue

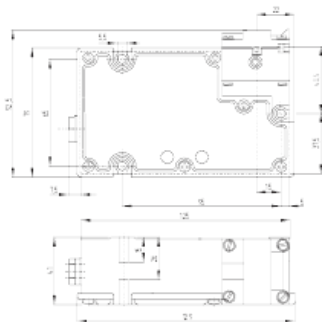


ID: ktzf-f15

| 240,3 kB | .jpg | 352.778 x 221.192 mm - 1000 x 627 Pixel - 72 dpi

| 27,4 kB | .png | 74.083 x 46.567 mm - 210 x 132 Pixel - 72 dpi

Dimension/Product/Basic

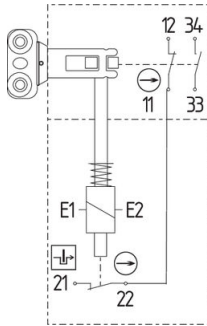


ID: ktzf-g01

| 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

Graphic/Product/Contact



ID: ktzf-k05

| 162,3 kB | .jpg | 352.778 x 553.861 mm - 1000 x 1570 Pixel - 72 dpi

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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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