



TZFW4OES24VDC

- Holding force 1500 N
- Thermoplastic enclosure

Data

Ordering data

	TZFW4OES24VDC
	131173818
EAN (European Article Number)	8905236102530
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

Power to unlock	Yes
Manual release	Yes
Number of actuating directions	4
Number of auxiliary contacts	0
Number of safety contacts	4

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

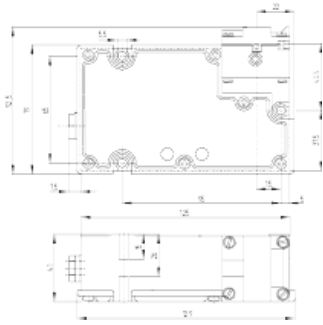
Ambient conditions - Insulation value

Rated impulse withstand voltage	2.5 kV
---------------------------------	--------

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
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
Scope of delivery	
Included in delivery	The solenoid interlock AZM400 is not included in delivery.
Notes	
Note (Manual release)	For manual release using triangular key M3 (included in delivery)
Pictures	
Photo/Product/Catalogue	
	ID: ktzf-f14
	34,7 kB .png 74.083 x 53.269 mm - 210 x 151 Pixel - 72 dpi
	350,6 kB .jpg 352.778 x 254 mm - 1000 x 720 Pixel - 72 dpi
Dimension/Product/Basic	

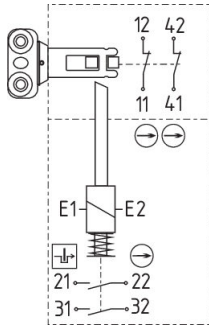


ID: ktzf-g01

| 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: ktzm-k03

| 144,3 kB | .jpg | 352.778 x 440.267 mm - 1000 x
1248 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.

Generated on 052021-01-31T01:49:05+01:000101Europe/BerlinSun, 31 Jan 2021 01:49:05

+010005amSunday.31am31Europe/BerlinCET4901Europe/BerlinJanuary2021Sun, 31 Jan 2021 01:49:05

+010001am31