



Z1K 336-11Z-M20

- Snap action with constant contact pressure up to switching point
- 1 Cable entry M 20 x 1.5
- Design to EN 50041
- Thermoplastic enclosure
- Double-insulated
- Good resistance to oil and petroleum spirit
- Wide range of alternative actuators
- Actuator heads can be repositioned by 4 x 90°

Daten

Ordering data

Product type description	Z1K 336-11Z-M20
Article number (order number)	131159516
EAN (European Article Number)	8905236103490
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	cULus CCC
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General data

Housing construction form	Normbauform
Housing material	Kunststoff, glasfaserverstärkt

Gross weight	125 g
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General data - Features

Safety functions	Ja
Number of auxiliary contacts	1
Number of safety contacts	1

Safety classification

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

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	20.000.000 Operations
B _{10D} Normally open contact (NO)	1.000.000 Operations

Mechanical data

Actuating element	Rollenhebel
Mechanical life, minimum	30.000.000 Operations
Actuating force, minimum	12 N
Actuating speed, maximum	0,5 m/s
Note (Actuating speed)	Betätigungsgeschwindigkeit bei einem vertikalen Anfahrwinkel von 30°
Note Bounce duration	Prelldauer entsprechend der Betätigungsgeschwindigkeit

Mechanical data - Connection technique

Termination	Schraubanschluss M20 x 1.5
Cable section, minimum	0,75 mm ²
Cable section, maximum	2,5 mm ²
Note	Alle Angaben einschließlich Aderendhülsen.

Mechanical data - Dimensions

Length of sensor	38 mm
Width of sensor	40,5 mm
Height of sensor	118,5 mm

Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature	-30 ... +80 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Required rated short-circuit current	1.000 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	Schließer (NO), Öffner (NC)
Switching principle	Sprungschaltung
Maximum switching frequency	5.000 /h
Switchover time, maximum	2 ms
Material of the contacts, electrical	Silber

Typenschlüssel

Product type description:

(1)(2) 336-(3)(4)-(5)-(6)-(7)-(8)-(9)

(1)	
Z	Snap action
T	Slow action (not for AF/S)
(2)	
S	Plunger S
R	Roller plunger R
H	Roller lever H
10H	Rod lever 10H
7H	Roller lever 7H
1K	Offset roller lever 1K
3K	Angle roller lever 3K
RMS	Brass roller
(3)	
11	1 NO contacts/1 NC contact
02	2 NC contact
20	2 NO contacts, (switches with 2 NO contacts are not suitable for safety applications)
01/01	1 NC contact left / 1 NC contact right
(4)	
Y	IP 65
Z	IP 67
(5)	
R	without latching
	with latching
(6)	
H	Slow action with staggered contacts
UE	Slow action with overlapping contacts
(7)	

without	Cable entry M20
NPT	Cable entry NPT 1/2"
ST	M12 connector with A-coding
ST-2310	M12 connector with B-coding
(8)	
2138	Roller lever 7H for position switches with safety function
(9)	
1637	Gold-plated contacts

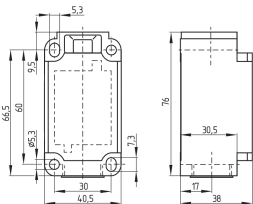
Abbildungen

Produktbild (Katalogeinzelfoto)



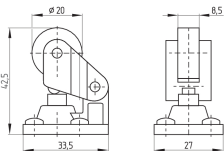
ID: k336kf01
| 880.5 kB | .jpg | 352.778 x 805.039 mm - 1000 x 2282 Pixel - 72 dpi
| 98.2 kB | .png | 74.083 x 168.981 mm - 210 x 479 Pixel - 72 dpi
| 30.1 kB | .jpg | 53.975 x 123.472 mm - 153 x 350 Pixel - 72 dpi

Maßzeichnung Grundgerät



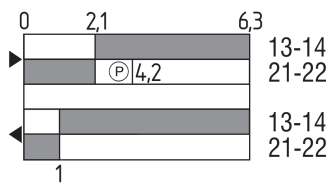
ID: 1-336g01
| 51.4 kB | .cdr |
| 4.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 107.0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 Pixel - 72 dpi

Maßzeichnung Betätiger



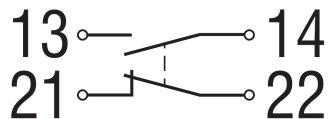
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| 57.2 kB | .cdr |
| 7.0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 71.4 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 Pixel - 72 dpi

Schaltwegdiagramm



ID: kk335s18
| 25.9 kB | .cdr |
| 2.4 kB | .png | 74.083 x 39.511 mm - 210 x 112 Pixel - 72 dpi
| 69.5 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533 Pixel - 72 dpi

Kontaktbild



ID: k1o1sk01
| 52.2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 Pixel - 72 dpi
| 2.6 kB | .png | 74.083 x 29.986 mm - 210 x 85 Pixel - 72 dpi

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Die genannten Daten und Angaben wurden sorgfältig geprüft. Abbildungen können vom Original abweichen.
Weitere technische Daten finden Sie in der Betriebsanleitung. Technische Änderungen und Irrtümer vorbehalten.
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