



T1K 336-20Z

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

Data

Ordering data

	T1K 336-20Z
	101102907
EAN (European Article Number)	4030661045412
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	336 offset roller lever 1K
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	110 g

General data - Features

Number of auxiliary contacts	2
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Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

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

Actuating element	Offset roller lever
Mechanical life, minimum	30,000,000 Operations
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note (Switchover time)	Switchover time in accordance with actuating speed

Mechanical data - Connection technique

Terminal Connector	Screw connection 0.75 mm ² 2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Height of sensor	118.5 mm
Length of sensor	38 mm
Width of sensor	40.5 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	6 kV
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Electrical data

Thermal test current	10 A
Required rated short-circuit current to EN 60947-5-1	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	Normally open contact (NO)
Switching principle	Creep circuit element

Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Notes

Note (General) Switch with 2 NO contacts are not for security tasks

Ordering code

Product type description:

(1)(2) 336-(3)Z(4)-(5)-(6)-(7)

(1)

Z Snap action

T Slow action (not available 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)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

(5)

without Cable entry M20

NPT Cable entry NPT 1/2"

ST M12 connector with A-coding

ST-2310 M12 connector with B-coding

(6)

2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

Pictures

Photo/Product/Catalogue



ID: k336kf01

| 169,0 kB | .png | 74.083 x 173.214 mm - 210 x 491
Pixel - 72 dpi
| 448,9 kB | .jpg | 138.642 x 324.203 mm - 393 x 919
Pixel - 72 dpi

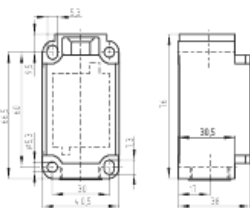
Photo/Product/Catalogue



ID: k336sf01

| 462,3 kB | .jpg | 147.814 x 306.917 mm - 419 x 870
Pixel - 72 dpi
| 158,7 kB | .png | 74.083 x 153.811 mm - 210 x 436
Pixel - 72 dpi

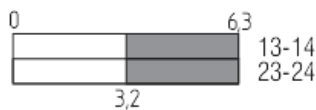
Dimension/Product/Basic



ID: 1-336g01

| 51,4 kB | .cdr |
| 107,0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi
| 4,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

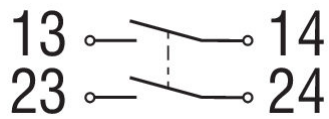
Diagramm/Product/Travel



ID: kk335s16

| 36,4 kB | .jpg | 352.778 x 108.656 mm - 1000 x 308
Pixel - 72 dpi
| 1,5 kB | .png | 74.083 x 22.931 mm - 210 x 65 Pixel -
72 dpi
| 23,4 kB | .cdr |

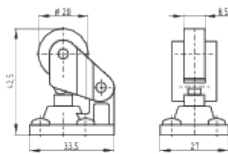
Graphic/Product/Contact



ID: k--2sk01

| 51,9 kB | .jpg | 352.778 x 135.819 mm - 1000 x 385
Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1k336g01

| 71,4 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi
| 7,0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi
| 57,2 kB | .cdr |

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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