



Z1K335-11Z

- Metal enclosure
- Design to EN 50041
- 40,5 mm x 76 mm x 38 mm
- 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°
- Snap action with constant contact pressure up to switching point

Data

Ordering data

	Z1K 335-11Z
	101152788
EAN (European Article Number)	4030661166315
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	Z 335 offset roller lever 1K
Housing construction form	Norm construction design
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	195 g

General data - Features

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

Safety appraisal

BG-GS-ET-15
ISO 13849-1
EN 60947-5-1

Mission Time

20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)

20,000,000 Operations

Mechanical data

Actuating element

Offset roller lever

Mechanical life, minimum

30,000,000 Operations

Actuating force, minimum

12 N

Actuating speed, maximum

0.5 m/s

Note (Actuating speed)

Actuating speed with actuating angle 30° to switch axis

Note Bounce duration

Bounce duration in accordance with actuating speed

Mechanical data - Connection technique

Terminal Connector

Screw connection

0.75 mm²

2.5 mm²

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

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	NO contact, NC contact
Switching principle	Snap switch element
Switching frequency	5,000 /h
Switchover time, maximum	2 ms

Ordering code

Product type description:

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

(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)

3 slim design

5 large design

(4)

11 1 NO contacts/1 NC contact

02 2 NC contact

20 2 NO contacts (not suitable for safety applications)

01/01 1 NC contact left / 1 NC contact right

12 1 NO contact/2 NC contacts

03 3 NC contact

(5)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

G24 with LED

(7)

without Cable entry M20

NPT Cable entry NPT 1/2"

ST M12 connector with A-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

ST-2310 M12 connector with B-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

(8)

2138 Roller lever 7H for position switches with safety function

(9)

1637 Gold-plated contacts

Pictures

Photo/Product/Catalogue



ID: k335kf01

| 124,4 kB | .png | 74.083 x 164.747 mm - 210 x 467

Pixel - 72 dpi

| 486,9 kB | .jpg | 159.103 x 354.542 mm - 451 x 1005

Pixel - 72 dpi

Photo/Product/Catalogue



ID: k335sf01

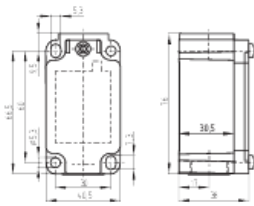
| 156,7 kB | .png | 74.083 x 166.511 mm - 210 x 472

Pixel - 72 dpi

| 454,9 kB | .jpg | 136.172 x 306.211 mm - 386 x 868

Pixel - 72 dpi

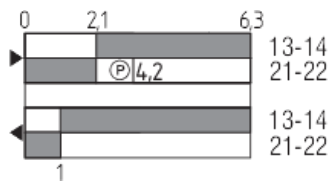
Dimension/Product/Basic



ID: 1-335g01

| 105,8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi
| 4,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi
| 96,7 kB | .cdr |

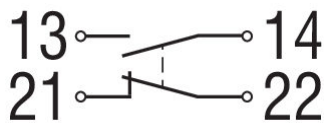
Diagramm/Product/Travel



ID: kk335s18

| 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
| 25,9 kB | .cdr |

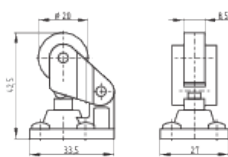
Graphic/Product/Contact



ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407
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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