



Z1K335-11Z-M20

- 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

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

Certifications

Certificates	cULus EAC
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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
Weight	195 g

General data - Features

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

Safety appraisal

Standards	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
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Mechanical data

Actuating element	Offset roller lever
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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
Cable section, minimum	0.75 mm²
Cable section, maximum	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

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

Documents**Operating instructions and Declaration of conformity****EC Declaration of conformity****UL Certificate****CCC certification****EAC certification****SISTEMA-VDMA library**

Pictures

Product picture (catalogue individual photo)



ID: k335kf01

| 486,9 kB | .jpg | 159.103 x 354.542 mm - 451 x 1005 Pixel - 72 dpi
| 124,4 kB | .png | 74.083 x 164.747 mm - 210 x 467 Pixel - 72 dpi
| 221,2 kB | .jpg | 26.649 x 59.378 mm - 320 x 713 Pixel - 305 dpi
| 3,3 kB | .jpg | 35.278 x 35.278 mm - 100 x 100 Pixel - 72 dpi

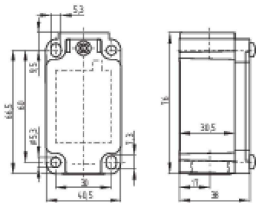
Product picture (catalogue individual photo)



ID: k335sf01

| 156,7 kB | .png | 74.083 x 166.511 mm - 210 x 472 Pixel - 72 dpi
| 289,0 kB | .jpg | 26.649 x 59.877 mm - 320 x 719 Pixel - 305 dpi
| 454,9 kB | .jpg | 136.172 x 306.211 mm - 386 x 868 Pixel - 72 dpi
| 3,7 kB | .jpg | 35.278 x 35.278 mm - 100 x 100 Pixel - 72 dpi

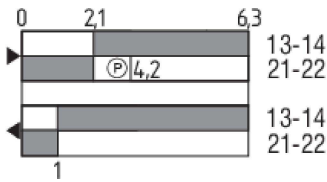
Dimensional drawing basic component



ID: 1-335g01

| 4,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 2,8 kB | .jpg | 35.278 x 35.278 mm - 100 x 100 Pixel - 72 dpi
| 28,1 kB | .jpg | 112.889 x 78.669 mm - 320 x 223 Pixel - 72 dpi
| 105,8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 Pixel - 72 dpi
| 96,7 kB | .cdr |

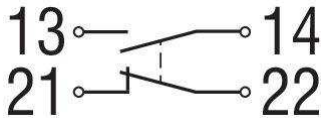
Switch travel diagram



ID: kk335s18

| 21,4 kB | .jpg | 112.889 x 60.325 mm - 320 x 171 Pixel - 72 dpi
| 2,4 kB | .png | 74.083 x 39.511 mm - 210 x 112 Pixel - 72 dpi
| 25,9 kB | .cdr |

Diagram



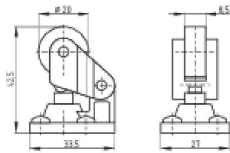
ID: k1o1sk01

| 18,4 kB | .jpg | 112.889 x 45.861 mm - 320 x 130 Pixel - 72 dpi

Dimensional drawing actuator

ID: 1k336g01

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



System components

PS315 offset roller lever K370



103015104 PS315-Z11-K370

- Metal enclosure
- Quick connection technology as connection terminals rotated by 45°
- Simple and quick to adjust the control elements by 45°.
- cable entry 1 x M20 x 1,5
- Design to EN 50041

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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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