

Z3K336-02Z-M20



- 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°
- Snap action with constant contact pressure up to switching point
- Actuation from bottom parallel to the switch, therefore only suitable for small housings.

Data

Ordering data

	Z3K 336-02Z
	101085669
EAN (European Article Number)	4030661066301
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	336 angle roller lever 3K
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Gross weight	135 g

General data - Features

Safety functions	Yes
Number of safety contacts	2

Safety appraisal

	ISO 13849-1
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	Angle 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 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	121.5 mm
Length of sensor	38 mm
Width of sensor	53 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	Opener (NC)
Switching principle	Snap switch element
Switching frequency	5,000 /h
Switchover time, maximum	2 ms

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

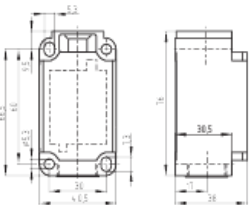


ID: k336kf02

| 97,8 kB | .png | 74.083 x 139.347 mm - 210 x 395 Pixel - 72 dpi

| 466,1 kB | .jpg | 186.972 x 351.719 mm - 530 x 997 Pixel - 72 dpi

Dimension/Product/Basic



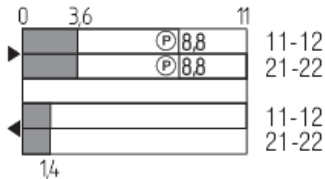
ID: 1-336g01

| 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



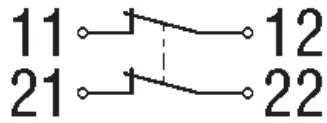
ID: kk335s04

| 2,4 kB | .png | 74.083 x 39.864 mm - 210 x 113 Pixel - 72 dpi

| 76,3 kB | .jpg | 352.778 x 190.147 mm - 1000 x 539 Pixel - 72 dpi

| 25,8 kB | .cdr |

Graphic/Product/Contact

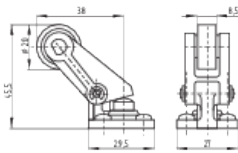


ID: k2o--k01

| 48,8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355
Pixel - 72 dpi

| 1,4 kB | .png | 74.083 x 26.458 mm - 210 x 75 Pixel -
72 dpi

Dimension/Product/Actuator



ID: 1k336g02

| 60,3 kB | .cdr |
| 8,9 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 94,1 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi

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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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