



EX-Z4V7H 335-02Z-3G/D

- Metal enclosure
- Ex-Zone 2 and 22
- 40,5 mm x 76 mm x 38 mm
- 1 Cable entry M 20 x 1.5
- only for positioning tasks
- Mounting details to EN 50041
- 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

	EX-Z4V7H 335-02Z-3G/D
	101194203
EAN (European Article Number)	4030661358376
eCl@ss number, Version 9.0	27-27-06-01

Explosion protection

BG-GS-ET-15
 EN 60079-0
 EN 60079-15
 EN 60079-31
 EN 60947-5-1
 22
 2
 3D
 3G
 Ⓜ II 3G Ex nC IIC T5 Gc X
 Ⓜ II 3D Ex tc IIIC T90°C Dc X

Manufacturer declaration	ATEX Zone 2 and 22
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General data

Product name	EX-Z 335 roller lever 7H
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Housing construction form	Norm construction design
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	305 g

General data - Features

Number of safety contacts	2
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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	Roller lever
Mechanical life, minimum	30,000,000 Operations
Impact energy, maximum	4 J
Actuating speed, maximum	2.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note Bounce duration	Bounce duration in accordance with actuating speed
Actuating torque, minimum	0.3 Nm

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
	0.75 mm ²
	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Height of sensor	183 mm
Length of sensor	57.3 mm

Width of sensor	40.5 mm
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Ambient conditions

	IP67
Ambient temperature, minimum	-20 °C
Ambient temperature, maximum	+60 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	6 kV
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Electrical data

Thermal test current	10 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	1 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:

EX-(1)(2) 335-(3)Z(4)-(5)-(6)-(7)-3G/D

(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

7H-2138 Roller lever 7H for position switches with safety function

1K Offset roller lever 1K

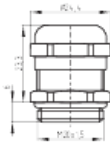
3K Angle roller lever 3K

(3)

11 1 NO contacts/1 NC contact

02 2 NC contact

Dimension/Product/Basic

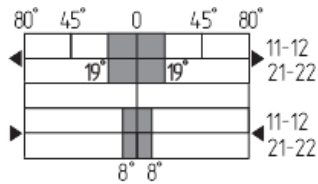


ID: 1xzm1g07

| 2,5 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

| 46,3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi

Diagramm/Product/Travel



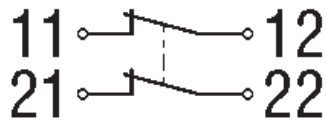
ID: kh335s11

| 25,9 kB | .cdr |

| 84,0 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548
Pixel - 72 dpi

| 2,4 kB | .png | 74.083 x 40.569 mm - 210 x 115 Pixel
- 72 dpi

Graphic/Product/Contact

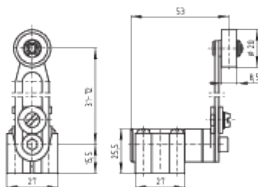


ID: k2o--k01

| 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: 1h355g02

| 30,2 kB | .cdr |

| 104,9 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi

| 9,6 kB | .png | 74.083 x 51.153 mm - 210 x 145 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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