



EX-T1K 335-20Z-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
- Mounting details to EN 50041
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

EX-T1K 335-20Z-3G/D

103001824

EAN (European Article Number)

4030661542577

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

General data

Product name

EX-T 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	246 g
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General data - Features

Number of auxiliary contacts	2
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Number of safety contacts	0
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Safety appraisal

ISO 13849-1

Mission Time	20 Year(s)
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Mechanical data

Actuating element	Offset roller lever
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Mechanical life, minimum	30,000,000 Operations
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Impact energy, maximum	4 J
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Actuating force, minimum	17 N
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Actuating speed, maximum	0.5 m/s
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Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
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Note (Switchover time)	Switchover time in accordance with actuating speed
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Mechanical data - Connection technique

Terminal Connector	Screw connection
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Cable cross-section of the cable glands, minimum	7 mm
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Cable cross-section of the cable glands, maximum	12 mm
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0.75 mm²

2.5 mm²

Note (Cable section)	All indications about the cable section are including the conductor ferrules.
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Wire cross-section	13 AWG
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Mechanical data - Dimensions

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

IP67

Ambient temperature, minimum	-20 °C
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Ambient temperature, maximum	+60 °C
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Ambient conditions - Insulation value

Rated impulse withstand voltage 6 kV

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 Normally open contact (NO)
Switching principle Slow action
Bounce duration, maximum 2 ms
Switching frequency 5,000 /h

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

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

(4)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

(5)

1297 Enclosure with transverse slotted holes

(6)

2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

Pictures

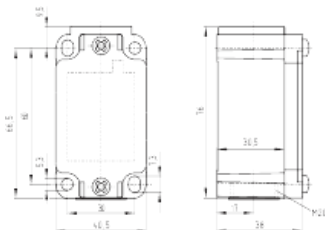
Photo/Product/Catalogue



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

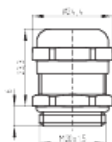
Dimension/Product/Basic



ID: k-335g01

| 126,8 kB | .jpg | 352.778 x 248.708 mm - 1000 x 705
Pixel - 72 dpi
| 4,1 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi
| 27,9 kB | .cdr |

Dimension/Product/Basic

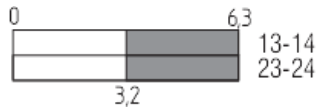


ID: 1xzm1g07

| 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: 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 |

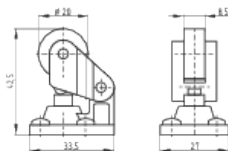
Graphic/Product/Contact



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 |

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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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