



EX-T3K335-02Y

- Ex-Zone 1 and 21
- Actuation from bottom parallel to the switch, therefore only suitable for small housings.
- Metal enclosure
- Good resistance to oil and petroleum spirit
- 40,5 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- Mounting details to EN 50041
- 1 Cable entry M 20 x 1.5
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Data



Ordering data

Product type description	EX-T3K335-02Y
Article number (order number)	101212077
EAN (European Article Number)	4030661448633
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	cULus IEC Ex CCC CCC EX DEKRA
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Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN 60079-1 EN 60079-7 EN 60079-31
Explosion protection zones	1 21
Explosion protection category	2G 2D
Explosion protection designation	 II 2G Ex d e IIC T6 Gb  II 2D Ex tb IIIC T80°C Db

General data

Standards	BG-GS-ET-15 EN IEC 60947-5-1
Housing construction form	Norm construction design
Housing material	Metal, zinc die-cast
Housing coating material	painted
Gross weight	320 g

General data - Features

Safety functions	Yes
Number of safety contacts	2

Safety classification

Standards	EN ISO 13849-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Angle roller lever
Mechanical life, minimum	1,000,000 Operations
Impact energy, maximum	7 J
Actuating force, minimum	17 N
Actuating speed, maximum	1 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note (Switchover time)	Switchover time in accordance with actuating speed

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
Cable section, minimum	1 mm ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	All indications including the conductor ferrules.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Length of sensor	38 mm
Width of sensor	58.3 mm
Height of sensor	121.5 mm

Ambient conditions

Degree of protection	IP65
Ambient temperature, maximum (Cable section 1mm ²)	+50 °C
Ambient temperature, maximum (Cable section 2.5mm ²)	+55 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	250 VAC 500 V
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	5 A
Utilisation category AC-15	230 VAC
Utilisation category DC-13	24 VDC
Switching element	Opener (NC)
Switching principle	Slow action
Bounce duration, maximum	3 ms
Switching frequency	1,800 /h
Material of the contacts, electrical	Silver

Scope of delivery

Scope of delivery	Ex-certified screwed cable gland
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Ordering code

Product type description:
EX-T(1) 335-(2)Y(3)-(4)-(5)

(1)

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

(2)

11	1 NO contacts/1 NC contact
02	2 NC contact
20	2 NO contacts (not suitable for safety applications)

(3)

UE	Slow action with overlapping contacts
without	Slow action with staggered contacts

(4)

2138	Roller lever 7H for position switches with safety function
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(5)

RMS	Roller made from brass
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Pictures

Product picture (catalogue individual photo)



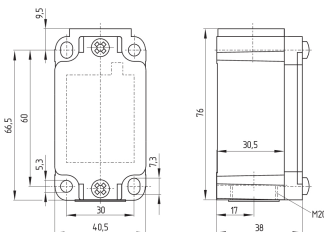
ID: k335kf02

| 444.7 kB | .jpg | 185.914 x 360.892 mm - 527 x 1023 px - 72 dpi

| 98.8 kB | .png | 74.083 x 143.581 mm - 210 x 407 px - 72 dpi

| 48.6 kB | .jpg | 63.5 x 123.472 mm - 180 x 350 px - 72 dpi

Dimensional drawing basic component



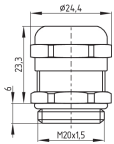
ID: k-335g01

| 27.9 kB | .cdr |

| 4.1 kB | .png | 74.083 x 52.211 mm - 210 x 148 px - 72 dpi

| 126.8 kB | .jpg | 352.778 x 248.708 mm - 1000 x 705 px - 72 dpi

Dimensional drawing basic component

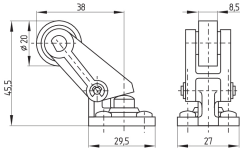


ID: 1xzm1g07

| 2.5 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi

| 46.3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Dimensional drawing actuator



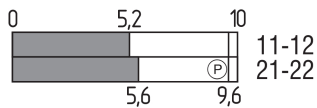
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| 60.3 kB | .cdr |

| 8.9 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 94.1 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Switch travel diagram



ID: kk335s31

| 20.8 kB | .cdr |

| 1.7 kB | .png | 74.083 x 22.931 mm - 210 x 65 px - 72 dpi

| 44.2 kB | .jpg | 352.778 x 109.714 mm - 1000 x 311 px - 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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