



EX-TR335-20Y

- Metal enclosure
- Ex-Zone 1 and 21
- 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-TR335-20Y
	101212053
EAN (European Article Number)	4030661448725
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
IECEX

Explosion protection

EN 60079-0
EN 60079-1
EN 60079-31
EN 60079-7
EN 60947-5-1
1
21
2D
2G
⊕ II 2G Ex d e IIC T6 Gb
⊕ II 2D Ex tb IIIC T80°C Db

General data

Product name	EX-T 335 roller plunger _R BG-GS-ET-15
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Housing construction form	Norm construction design
Enclosure material	C
Enclosure coating material	Zinc die-cast
Material of the contacts, electrical	painted
Gross weight	Silver
	320 g

General data - Features

Number of auxiliary contacts	2
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Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Mechanical data

Actuating element	Roller plunger
Mechanical life, minimum	1,000,000 Operations
Impact energy, maximum	7 J
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 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

Terminal Connector	Screw connection
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
	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	116.6 mm
Length of sensor	38 mm
Width of sensor	40.5 mm

Ambient conditions

IP65

Ambient temperature, minimum	-20 °C
Ambient temperature, maximum (Cable section 1mm ²)	+50 °C
Ambient temperature, maximum (Cable section 2.5mm ²)	+55 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	4 kV
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Electrical data

Thermal test current	5 A
Switching element	Normally open contact (NO)
Switching principle	Slow action
Bounce duration, maximum	3 ms
Switching frequency	1,800 /h

Notes

Note (General)	Switch with 2 NO contacts are not for security tasks
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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

(5)

RMS Roller made from brass

Pictures

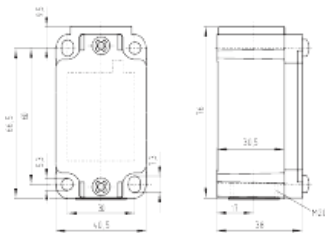
Photo/Product/Catalogue



ID: k335rf01

| 488,3 kB | .jpg | 137.583 x 342.194 mm - 390 x 970
Pixel - 72 dpi
| 167,3 kB | .png | 74.083 x 184.15 mm - 210 x 522
Pixel - 72 dpi

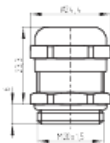
Dimension/Product/Basic



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

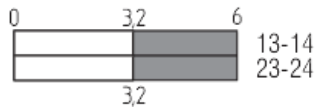


ID: 1xzm1g07

| 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: kr335s04



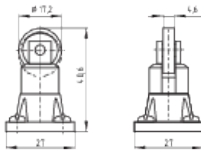
| 1,5 kB | .png | 74.083 x 22.931 mm - 210 x 65 Pixel - 72 dpi

| 38,2 kB | .jpg | 352.778 x 109.714 mm - 1000 x 311 Pixel - 72 dpi

| 19,5 kB | .cdr |

Dimension/Product/Actuator

ID: 1r336g01

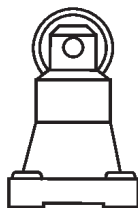


| 6,6 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel - 72 dpi

| 66,1 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 Pixel - 72 dpi

| 51,1 kB | .cdr |

Illustration/Product/Function



ID: 235rz01

| 149,7 kB | .jpg | 352.778 x 799.394 mm - 1000 x 2266 Pixel - 72 dpi

| 15,2 kB | .cdr |

| 2,9 kB | .png | 74.083 x 167.922 mm - 210 x 476 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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