

EX-TR 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-TR 335-20Z-3G/D
	103004158
Explosion protection	
	BG-GS-ET-15 EN 60079-0 EN 60079-15 EN 60079-31 EN 60947-5-1
	22 2
	3D 3G
	⟨Ex⟩ II 3G Ex nC IIC T5 Gc X ⟨Ex⟩ II 3D Ex tc IIIC T90°C Dc X
Manufacturer declaration	ATEX Zone 2 and 22
General data	
Product name	EX-T 335 roller plunger _R
Housing construction form	Norm construction design
	C
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver

Gross weight	240 g
General data - Features	
Number of auxiliary contacts	2
Number of safety contacts	0
Safety appraisal	
	ISO 13849-1
Mission Time	20 Year(s)
Mechanical data	
Actuating element	Roller plunger
Mechanical life, minimum	30,000,000 Operations
Impact energy, maximum	4 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
	0.75 mm²
	2.5 mm²
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	
	IP67
Ambient temperature, minimum	-20 °C
Ambient temperature, maximum	+60 °C

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

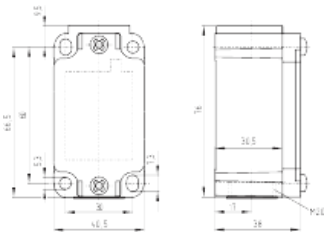
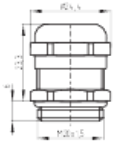
(6)

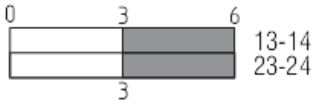
2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

Pictures

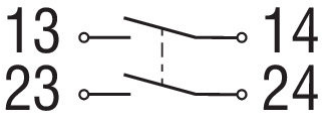
Photo/Product/Catalogue	
	ID: k335rf01 | 488,3 kB | .jpg | 137.583 x 342.194 mm - 390 x 970 Pixel - 72 dpi | 167,3 kB | .png | 74.083 x 184.15 mm - 210 x 522 Pixel - 72 dpi
Dimension/Product/Basic	
	ID: k-335g01 | 126,8 kB | .jpg | 352.778 x 248.708 mm - 1000 x 705 Pixel - 72 dpi | 4,1 kB | .png | 74.083 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: kr335s10

| 1,4 kB | .png | 74.083 x 22.225 mm - 210 x 63 Pixel - 72 dpi
| 23,4 kB | .cdr |
| 33,9 kB | .jpg | 352.778 x 105.128 mm - 1000 x 298 Pixel - 72 dpi

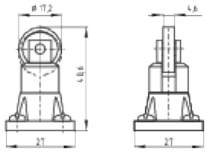
Graphic/Product/Contact



ID: k--2sk01

| 51,9 kB | .jpg | 352.778 x 135.819 mm - 1000 x 385 Pixel - 72 dpi

Dimension/Product/Actuator



ID: 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 |

Illistration/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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