

EX-TV7H 335-01/01Z-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°**

Data

Ordering data	
	EX-TV7H 335-01/01Z-3G/D
	103002133
Explosion protection	
	BG-GS-ET-15 EN 60079-0 EN 60079-15 EN 60079-31 EN 60947-5-1
	22 2
	3D 3G
	Ⓔx II 3G Ex nC IIC T5 Gc X Ⓔx II 3D Ex tc IIIC T90°C Dc X
Manufacturer declaration	ATEX Zone 2 and 22
General data	
Product name	EX-335 roller lever 7H
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	320 g
General data - Features	
Number of auxiliary contacts	0
Number of safety contacts	2
Safety appraisal	
	ISO 13849-1
Mission Time	20 Year(s)
Safety appraisal - Safety outputs	
B10d Normally-closed contact (NC)	20,000,000 Operations
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 (Switchover time)	Switchover time 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 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	183 mm
Length of sensor	57.3 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	Opener (NC)
Switching principle	Creep circuit element
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

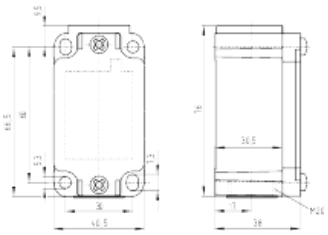
(6)

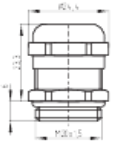
2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

Pictures

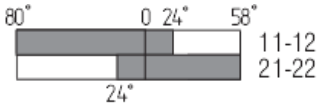
Photo/Product/Catalogue	
	ID: k335hf02 | 136,9 kB | .png | 74.083 x 204.258 mm - 210 x 579 Pixel - 72 dpi | 462,0 kB | .jpg | 148.519 x 409.575 mm - 421 x 1161 Pixel - 72 dpi
Dimension/Product/Basic	
	ID: k-335g01 | 126,8 kB | .jpg | 352.778 x 248.708 mm - 1000 x 705 Pixel - 72 dpi | 4,1 kB | .png | 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

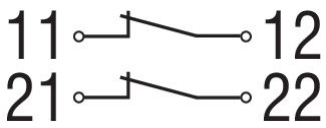
Diagramm/Product/Travel



ID: kh335s12

| 23,8 kB | .cdr |
| 1,6 kB | .png | 74.083 x 23.283 mm - 210 x 66 Pixel - 72 dpi
| 44,2 kB | .jpg | 352.778 x 111.478 mm - 1000 x 316 Pixel - 72 dpi

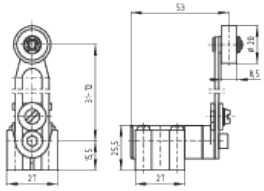
Graphic/Product/Contact



ID: k1o1ok01

| 48,8 kB | .jpg | 352.778 x 126.647 mm - 1000 x 359 Pixel - 72 dpi
| 17,9 kB | .cdr |

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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