



EX-TVH 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
- 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-TVH 335-01/01Z-3G/D
	101209611
EAN (European Article Number)	4030661383293
eCl@ss number, Version 9.0	27-27-26-01

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
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General data

Product name	EX-T 335 roller lever H
Housing construction form	Norm construction design
	A
Enclosure material	Aluminium

Enclosure coating material	painted
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	307 g

General data - Features

Safety functions	Yes
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
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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 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	134 mm
Length of sensor	60.6 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
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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

Notes

Note (General)	On version TVH 335-01/01z positive break only to one side. The positioning of the head must be carried out in factory.
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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

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

H Slow action with staggered contacts

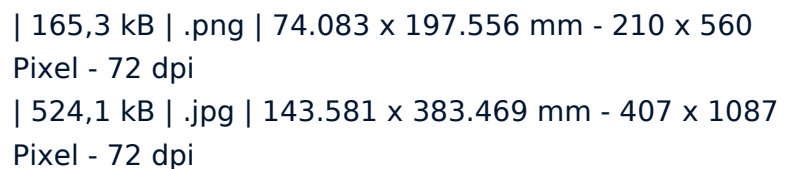
UE Slow action with overlapping contacts

1297 Enclosure with transverse slotted holes

2138 Roller lever 7H for position switches with safety function

1637 Gold-plated contacts

Photo/Product/Catalogue



| 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

