



TV7H 336-01/01Z-2138

- Double-insulated
- Design to EN 50041
- Thermoplastic enclosure
- 1 Cable entry M 20 x 1.5
- Wide range of alternative actuators
- Lever angle adjustable in 10° steps
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	TV7H 336-01/01Z-2138
	101128712
EAN (European Article Number)	4030661045665
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	336 roller lever 7H-2138
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	170 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
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
	0.75 mm ²
	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Height of sensor	173.5 mm
Length of sensor	57 mm
Width of sensor	40.5 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	6 kV
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Electrical data

Thermal test current	10 A
Required rated short-circuit current to EN 60947-5-1	1,000 A
Utilisation category AC-15	230 VAC

Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	Opener (NC)
Switching principle	Creep circuit element
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Notes

Note (General)	The positioning of the head must be carried out in factory. On version TVH 336-01/01z positive break only to one side.
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Ordering code

Product type description:

(1)(2) 336-(3)Z(4)-(5)-(6)-(7)

(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

1K Offset roller lever 1K

3K Angle roller lever 3K

RMS Brass roller

(3)

11 1 NO contacts/1 NC contact

02 2 NC contact

20 2 NO contacts, (switches with 2 NO contacts are not suitable for safety applications)

01/01 1 NC contact left / 1 NC contact right

(4)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

(5)

without Cable entry M20

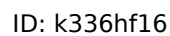
NPT Cable entry NPT 1/2"

ST-2310 M12 connector with B-coding

2138 Roller lever 7H for position switches with safety function

1637 Gold-plated contacts

Photo/Product/Catalogue



Pixel - 72 dpi

Pixel - 72 dpi

ID: 1-336g01

Pixel - 72 dpi

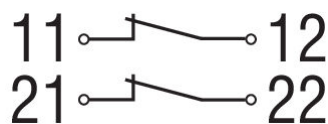
| 4,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

ID: kh335s07

Pixel - 72 dpi

| 24,8 kB | .cdr |

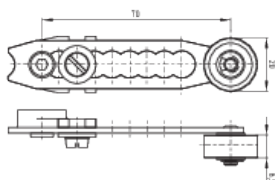
Graphic/Product/Contact



ID: k1o1ok01

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

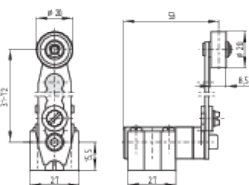
Dimension/Product/Actuator



ID: 17h--g01

| 11,0 kB | .png | 74.083 x 51.506 mm - 210 x 146
Pixel - 72 dpi
| 111,6 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi
| 34,0 kB | .cdr |

Dimension/Product/Actuator



ID: 1h336g02

| 10,3 kB | .png | 74.083 x 52.211 mm - 210 x 148
Pixel - 72 dpi
| 88,3 kB | .cdr |
| 102,9 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
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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