



TVH355-01/01Z

- Metal enclosure
- 66,7 mm x 76 mm x 38 mm
- Mounting details to EN 50041
- Switching points to EN 50041
- 3 cable entries lateral M 20 x 1.5
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°

Data

Ordering data

	TVH 355-01/01Z
	101084124
EAN (European Article Number)	4030661065915
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	355 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	305 g

General data - Features

Safety functions	Yes
Number of safety contacts	2

Safety appraisal

	BG-GS-ET-15 ISO 13849-1 EN 60947-5-1
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	129.5 mm
Length of sensor	60.6 mm
Width of sensor	66.7 mm

Ambient conditions

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

Electrical data

Thermal test current	10 A
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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)	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:

(1)(2) 3(3)5-(4)Z(5)-(6)-(7)-(8)-(9)

(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)

3 slim design

5 large design

(4)

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

(5)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

(6)

G24 with LED

(7)

without Cable entry M20

NPT Cable entry NPT 1/2"

ST M12 connector with A-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

ST-2310 M12 connector with B-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

(8)

2138 Roller lever 7H for position switches with safety function

(9)

1637 Gold-plated contacts

Pictures

Photo/Product/Catalogue

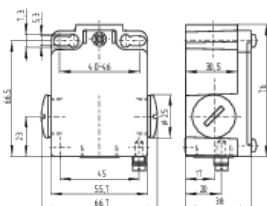


ID: k355hf01

| 469,8 kB | .jpg | 208.844 x 338.667 mm - 592 x 960
Pixel - 72 dpi

| 80,7 kB | .png | 74.083 x 119.944 mm - 210 x 340
Pixel - 72 dpi

Dimension/Product/Basic



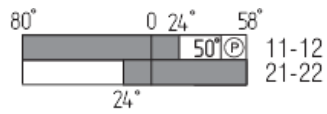
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| 10,6 kB | .png | 74.083 x 51.506 mm - 210 x 146
Pixel - 72 dpi

| 132,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi
| 32,9 kB | .cdr |

Diagramm/Product/Travel	Diagramm	Product	Travel
Diagramm	Diagramm		
Product		Product	
Travel			Travel

ID: kh335s07

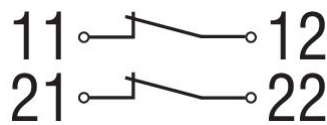


| 1,8 kB | .png | 74.083 x 23.636 mm - 210 x 67 Pixel - 72 dpi

| 52,3 kB | .jpg | 352.778 x 112.889 mm - 1000 x 320
Pixel - 72 dpi

| 24,8 kB | .cdr |

Graphic/Product/Contact

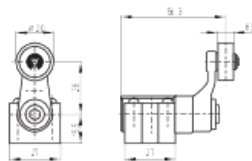


ID: k1o1ok01

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

| 17,9 kB | .cdr |

Dimension/Product/Actuator



ID: 1h336g01

| 84,5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701
Pixel - 72 dpi

| 65,6 kB | .cdr |

| 4,1 kB | .png | 74.083 x 51.858 mm - 210 x 147 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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