SCHMERSAL
THE DNA OF SAFETY



TV7H355-01/01Z

- **Metal enclosure**
- **66,7 mm x 76 mm x 38 mm**
- **only for positioning tasks**
- **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	
	TV7H 355-01/01Z
	101084125
EAN (European Article Number)	4030661065922
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	cULus CCC EAC
General data	
Product name	T 355 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	330 g

General data - Features	
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
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 mm²
	2.5 mm²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
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	-30 °C
Ambient temperature, maximum	+80 °C
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)	On version TVH 335-01/01z positive break only to one side. The positioning of the head must be carried out in factory.

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

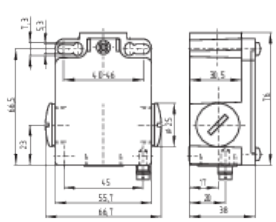
Photo/Product/Catalogue



ID: k355hf02

| 483,4 kB | .jpg | 188.383 x 369.358 mm - 534 x 1047 Pixel - 72 dpi
| 98,9 kB | .png | 74.083 x 144.992 mm - 210 x 411 Pixel - 72 dpi

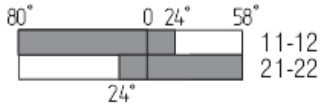
Dimension/Product/Basic



ID: 1x355g01

| 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 |

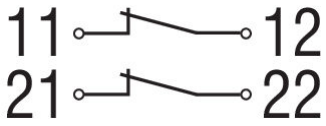
Diagramm/Product/Travel



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

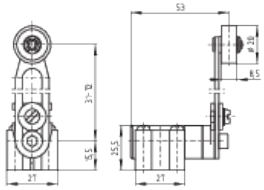
Graphic/Product/Contact



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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