

T4VH335-20Z

- **Metal enclosure**
- **Design to EN 50041**
- **40,5 mm x 76 mm x 38 mm**
- **1 Cable entry 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	
	T4VH 335-20Z
	101171894
EAN (European Article Number)	4030661299655
eCl@ss number, Version 9.0	27-27-06-01
Approval - Standards	
	cULus CCC EAC
General data	
Product name	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	265 g
General data - Features	
Number of auxiliary contacts	2

Safety appraisal	
	BG-GS-ET-15 ISO 13849-1 EN 60947-5-1
Mission Time	20 Year(s)
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	134 mm
Length of sensor	60.6 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
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	Normally open contact (NO)
Switching principle	Slow action
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Notes

Note (General)	Switch with 2 NO contacts are not for security tasks

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

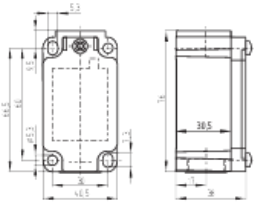
Photo/Product/Catalogue



ID: k335hf01

| 165,3 kB | .png | 74.083 x 197.556 mm - 210 x 560 Pixel - 72 dpi
| 524,1 kB | .jpg | 143.581 x 383.469 mm - 407 x 1087 Pixel - 72 dpi

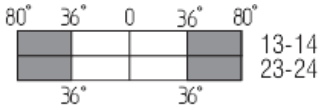
Dimension/Product/Basic



ID: 1-335g01

| 105,8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 Pixel - 72 dpi
| 4,5 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel - 72 dpi
| 96,7 kB | .cdr |

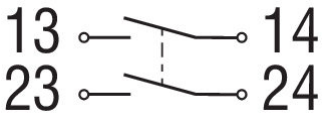
Diagramm/Product/Travel



ID: kh335s04

| 53,5 kB | .jpg | 352.778 x 112.889 mm - 1000 x 320 Pixel - 72 dpi
| 1,7 kB | .png | 74.083 x 23.636 mm - 210 x 67 Pixel - 72 dpi
| 24,0 kB | .cdr |

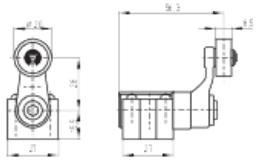
Graphic/Product/Contact



ID: k--2sk01

| 51,9 kB | .jpg | 352.778 x 135.819 mm - 1000 x 385 Pixel - 72 dpi

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

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal
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.
Generated on 582021-01-31T04:39:58+01:000401Europe/BerlinSun, 31 Jan 2021 04:39:58 +010058amSunday.31am31Europe/BerlinCET3901Europe/BerlinJanuary2021Sun, 31 Jan 2021 04:39:58 +010001am31