DATASHEET



T4VH 336-11Z-M20

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

Data

Ordering data

Product type description	T4VH 336-11Z-M20
Article number (order number)	131158892
EAN (European Article Number)	8905236103537
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

General data

Housing construction form	Norm construction design
Actuator type to EN 50041	A
Housing material	Plastic, glass-fibre-reinforced
Lever material	Metal film
Gross weight	160 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	1

Safety classification

Standards	BG-GS-ET-15 EN ISO 13849-1 EN IEC 60947-5-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B_{10D} Normally-closed contact (NC)	20,000,000 Operations

Mechanical data

Actuating element	Roller lever
Roller material	Plastic
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

Termination	Screw terminals M20 x 1.5
Cable section, minimum	0.75 mm²
Cable section, maximum	2.5 mm²
Note	All indications including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	60.5 mm
Width of sensor	40.5 mm
Height of sensor	129.5 mm

Ambient conditions

Degree of protection	IP65 IP67
Ambient temperature	-30 ... +80 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	6 kV

Electrical data

Thermal test current	10 A
Required rated short-circuit current	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	NO contact, NC contact
Switching principle	Slow action
Bounce duration, maximum	2 ms
Maximum switching frequency	5,000 /h
Material of the contacts, electrical	Silver

Ordering code

Product type description:
(1)(2) 336-(3)(4)-(5)-(6)-(7)-(8)-(9)

(1)

Z	Snap action
T	Slow action (not 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 contact/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)

Y	IP 65
Z	IP 67

(5)

	without latching
R	with latching

(6)

H	Slow action with staggered contacts
UE	Slow action with overlapping contacts

(7)

without	Cable entry M20
NPT	Cable entry NPT 1/2"
ST	M12 connector with A-coding
ST-2310	M12 connector with B-coding

(8)

2138	Roller lever 7H for position switches with safety function

(9)

1637	Gold-plated contacts

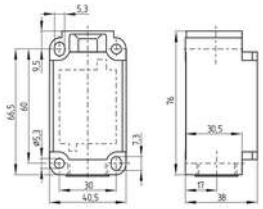
Pictures

Product picture (catalogue individual photo)



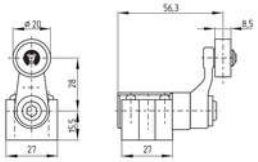
ID: k336hf01
| 697.8 kB | .jpg | 352.778 x 752.122 mm - 1000 x 2132 px - 72 dpi
| 87.5 kB | .png | 74.083 x 157.692 mm - 210 x 447 px - 72 dpi
| 30.2 kB | .jpg | 57.856 x 123.472 mm - 164 x 350 px - 72 dpi

Dimensional drawing basic component



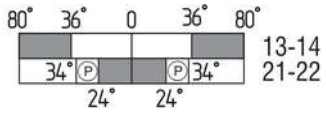
ID: 1-336g01
| 51.4 kB | .cdr |
| 4.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 107.0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Dimensional drawing actuator



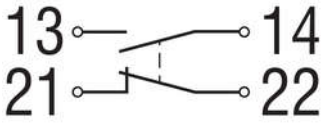
ID: 1h336g01
| 65.6 kB | .cdr |
| 4.1 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi
| 84.5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

Switch travel diagram



ID: kh335s05
| 25.4 kB | .cdr |
| 2.4 kB | .png | 74.083 x 24.342 mm - 210 x 69 px - 72 dpi
| 66.9 kB | .jpg | 352.778 x 116.064 mm - 1000 x 329 px - 72 dpi

Diagram



ID: k1o1sk01
| 52.2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 px - 72 dpi
| 2.6 kB | .png | 74.083 x 29.986 mm - 210 x 85 px - 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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