

Z4VH336-11Z-M20



- 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°
- Snap action with constant contact pressure up to switching point

Data

Ordering data

Product type description	Z4VH 336-11Z
Article number (order number)	101151762
EAN (European Article Number)	4030661163611
eCI@ss number, Version 9.0	27-27-26-01

Approval - Standards

Certificates	cULus
	CCC
	EAC

General data

Product name	336 roller lever H
Housing construction form	Norm construction design
Actuator type to DIN EN 50041	A
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	165 g

General data - Features

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

Safety appraisal

Standards	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 Bounce duration	Bounce duration in accordance with actuating speed
Actuating torque, minimum	0.26 Nm

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.75 mm ²
Cable section, maximum	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	60.5 mm
Width of sensor	40.5 mm

Ambient conditions

Protection class	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 NO contact, NC contact
Switching principle Snap switch element
Switching frequency 5,000 /h
Switchover time, maximum 2 ms

Ordering code

Product type description:

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

(1)

Z Snap action
T Slow action

(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 M12 connector with A-coding

ST-2310 M12 connector with B-coding

(6)

2138 Roller lever 7H for position switches with safety function

(7)

1637 Gold-plated contacts

Pictures

Product picture (catalogue individual photo)



ID: k336hf01

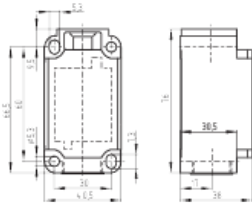
| 183,0 kB | .png | 74.083 x 182.739 mm - 210 x 518

Pixel - 72 dpi

| 546,8 kB | .jpg | 147.461 x 364.419 mm - 418 x 1033

Pixel - 72 dpi

Dimensional drawing basic component



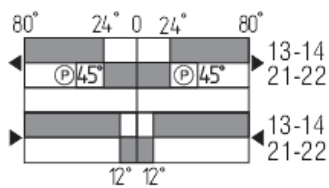
ID: 1-336g01

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

| 51,4 kB | .cdr |

| 107,0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

Switch travel diagram



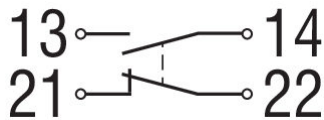
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| 3,0 kB | .png | 74.083 x 40.569 mm - 210 x 115 Pixel
- 72 dpi

| 25,4 kB | .cdr |

| 98,4 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548
Pixel - 72 dpi

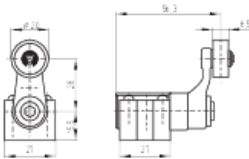
Diagram



ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407
Pixel - 72 dpi

Dimensional drawing actuator



ID: 1h336g01

| 65,6 kB | .cdr |

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

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