

ZV7H 255-02Z



- Metal enclosure
- 63 mm x 63,5 mm x 30 mm
- only for positioning tasks
- 3 cable entries M 20 x 1.5
- Mounting details to EN 50047
- 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

ZV7H 255-02Z

101174994

eCl@ss number, Version 9.0

27-27-06-01

General data

Product name	Z 255 roller lever 7H
	IEC 60947-5-1
	ISO 13849-1
	BG-GS-ET-15
Housing construction form	Norm construction design
Enclosure material	Zink
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	238,000 g

General data - Features

Number of safety contacts 2

Safety appraisal

Mission Time ISO 13849-1
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 20,000,000 Operations
Actuating speed, minimum 240 mm/min
Actuating speed, maximum 1 m/s
Note (Actuating speed) Actuating speed with actuating angle 30° to switch axis
Actuating torque, minimum 0.2 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 146.5 mm
Length of sensor 48.8 mm
Width of sensor 63 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	1 A
Switching element	Opener (NC)
Switching principle	Snap switch element
Bounce duration, maximum	3 ms
Switching frequency	5,000 /h
Switchover time, maximum	5.5 ms

Pictures

Photo/Product/Catalogue

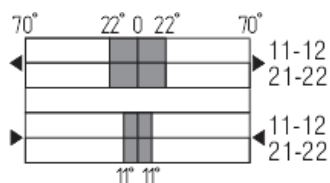


ID: k255hf02

| 84,3 kB | .png | 74.083 x 147.108 mm - 210 x 417
Pixel - 72 dpi

| 1,1 MB | .jpg | 338.667 x 673.453 mm - 960 x 1909
Pixel - 72 dpi

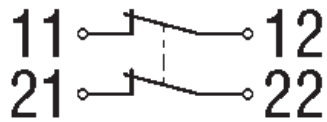
Diagramm/Product/Travel



ID: kh235s13

| 25,6 kB | .cdr |
| 79,9 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548
Pixel - 72 dpi
| 2,3 kB | .png | 74.083 x 40.569 mm - 210 x 115 Pixel
- 72 dpi

Graphic/Product/Contact



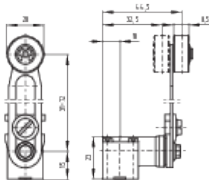
ID: k2o--k01

| 48,8 kB | .jpg | 352.778 x 125.236 mm - 1000 x 355

Pixel - 72 dpi

| 1,4 kB | .png | 74.083 x 26.458 mm - 210 x 75 Pixel -
72 dpi

Dimension/Product/Actuator



ID: 1h236g06

| 102,2 kB | .jpg | 352.778 x 244.475 mm - 1000 x 693

Pixel - 72 dpi

| 9,7 kB | .png | 74.083 x 51.153 mm - 210 x 145 Pixel
- 72 dpi

| 30,0 kB | .cdr |

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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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