

TV7H 255-20Z



- 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°

Data

Ordering data

TV7H 255-20Z

101174955

eCl@ss number, Version 9.0

27-27-06-01

General data

Product name	T 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

General data - Features

Number of auxiliary contacts	2
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Safety appraisal

ISO 13849-1

Mission Time

20 Year(s)

Mechanical data

Actuating element	Roller lever
Mechanical life, minimum	20,000,000 Operations
Actuating speed, minimum	1,440 mm/min
Actuating speed, maximum	1 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note Bounce duration	Bounce duration in accordance with actuating speed
Note (Switchover time)	Switchover time in accordance with actuating speed
Actuating torque, minimum	0.2 Nm

Mechanical data - Connection technique

Terminal Connector	Screw connection 0.75 mm ² 2.5 mm ²
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
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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	Normally open contact (NO)
Switching principle	Creep circuit element
Switching frequency	5,000 /h

Notes

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

Pictures

Photo/Product/Catalogue

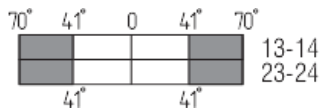


ID: k255hf02

| 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



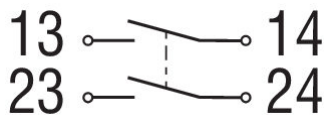
ID: kh235s04

| 1,6 kB | .png | 74.083 x 22.931 mm - 210 x 65 Pixel -
72 dpi

| 49,0 kB | .jpg | 352.778 x 109.714 mm - 1000 x 311
Pixel - 72 dpi

| 24,5 kB | .cdr |

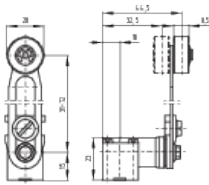
Graphic/Product/Contact



ID: k--2sk01

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

Dimension/Product/Actuator



ID: 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 |

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.

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