

TV7H 255-20ZH



- 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 255-20ZH

101174956

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	Slow action with staggered contacts
Switching frequency	5,000 /h

Notes

Note (General)

Switch with 2 NO contacts are not for security tasks

Pictures

Photo/Product/Catalogue

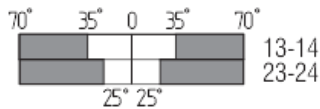


ID: k255hf02

| 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



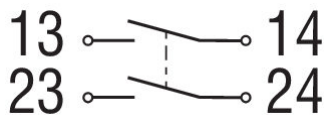
ID: kh235s08

| 49,2 kB | .jpg | 352.778 x 114.653 mm - 1000 x 325
Pixel - 72 dpi

| 19,8 kB | .cdr |

| 1,7 kB | .png | 74.083 x 23.989 mm - 210 x 68 Pixel -
72 dpi

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

