

TV7H 256-20Z-2138

- Double-insulated
- Thermoplastic enclosure
- 58 mm x 50,5 mm x 31 mm
- 2 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 256-20Z-2138
	101165145
EAN (European Article Number)	4030661431468
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	T 256 roller lever 7H-2138
	IEC 60947-5-1
	ISO 13849-1
	BG-GS-ET-15
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	120 g

General data - Features

Number of auxiliary contacts 2

Safety appraisal

Mission Time ISO 13849-1
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
Positive break torque 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 147.5 mm
Length of sensor 49.1 mm
Width of sensor 58 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	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

Ordering code

Product type description:

(1)(2) 2(3)5-(4)Z(5)-(6)-(7)-(8)-(9)

(1)

Z Snap action

T Slow action (not available for AF/S)

(2)

S Plunger S

R Roller plunger R

4S Plunger 4S

4R Roller plunger 4R

1R Offset roller lever 1R

K Offset roller lever K

3K Angle roller lever 3K

4K Angle roller lever 4K

K4 Angle roller lever K4

1H Roller lever 1H

7H Roller lever 7H

10H Rod lever 10H

12H Roller lever 12H

14H Roller lever 14H

AF Spring rod lever AF

RMS Brass roller

(3)

3 slim design

5 large design

20 2 NO contacts, (switches with 2 NO contacts are not suitable for safety applications)

UE Slow action with overlapping contacts

ST-2310 M12 connector with B-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)

2574 Enclosure with L-shaped mounting holes (horizontally or vertically adjustable)

2138 Roller lever 7H for position switches with safety function

1637 Gold-plated contacts

Pictures

Photo/Product/Catalogue



ID: k256hf02

| 533,0 kB | .jpg | 189.089 x 366.183 mm - 536 x 1038

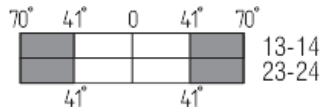
Pixel - 72 dpi

| 99,0 kB | .png | 74.083 x 143.228 mm - 210 x 406

Pixel - 72 dpi

Diagramm/Product/Travel

| 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 |



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

[illegible]

| 31,7 kB | .cdr |
| 9,1 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi
| 89,0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695
Pixel - 72 dpi

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