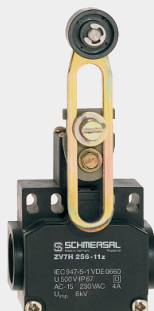


ZV7H 256-11Z



- Double-insulated
- Thermoplastic enclosure
- 58 mm x 50,5 mm x 31 mm
- only for positioning tasks
- 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°
- Snap action with constant contact pressure up to switching point

Data

Ordering data

	ZV7H 256-11Z
	101156132
EAN (European Article Number)	4030661177410
eCl@ss number, Version 9.0	27-27-06-01

Approval - Standards

cULus
cCSAus
CCC
EAC

General data

Product name	Z 256 roller lever 7H
	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	122 g
--------------	-------

General data - Features

Number of auxiliary contacts	1
------------------------------	---

Number of safety contacts	1
---------------------------	---

Safety appraisal

ISO 13849-1

Mission Time	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	147.5 mm
------------------	----------

Length of sensor	48.8 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	NO contact, NC contact
Switching principle	Snap switch element
Bounce duration, maximum	3 ms
Switching frequency	5,000 /h
Switchover time, maximum	5.5 ms

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)

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)

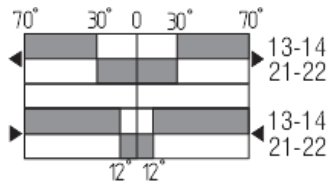
2138 Roller lever 7H for position switches with safety function

1637 Gold-plated contacts

Photo/Product/Catalogue



Diagramm/Product/Travel



ID: kh235s14

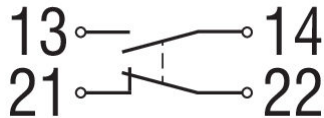
| 20,1 kB | .cdr |

| 82,2 kB | .jpg | 352.778 x 191.911 mm - 1000 x 544

Pixel - 72 dpi

| 2,4 kB | .png | 74.083 x 40.217 mm - 210 x 114 Pixel
- 72 dpi

Graphic/Product/Contact

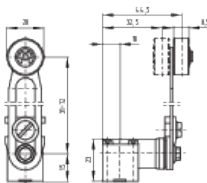


ID: k1o1sk01

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

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.

Generated on 562021-01-31T04:19:56+01:000401Europe/BerlinSun, 31 Jan 2021 04:19:56

+010056amSunday.31am31Europe/BerlinCET1901Europe/BerlinJanuary2021Sun, 31 Jan 2021 04:19:56

+010001am31