

Z4V7H 355-02Z-2138



- Metal enclosure
- 66,7 mm x 76 mm x 38 mm
- Mounting details to EN 50041
- Switching points to EN 50041
- 3 cable entries lateral M 20 x 1.5
- Wide range of alternative actuators
- 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

	Z4V7H 355-02Z-2138
	101181233
EAN (European Article Number)	4030661315676
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	Z 355 roller lever 7H 2138
Housing construction form	Norm construction design
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Lever material	Metal film
Roller material	Plastic
Gross weight	335 g

General data - Features

Safety functions	Yes
Number of safety contacts	2

Safety appraisal

	ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Roller lever
Mechanical life, minimum	30,000,000 Operations
Actuating speed, maximum	2.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note Bounce duration	Bounce duration in accordance with actuating speed
Actuating torque, minimum	0.3 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	173.5 mm
Length of sensor	57.3 mm
Width of sensor	66.7 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	4 A
Switching element	Opener (NC)
Switching principle	Snap switch element
Switching frequency	5,000 /h
Switchover time, maximum	2 ms

Ordering code

Product type description:

(1)(2) 3(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

H Roller lever H

10H Rod lever 10H

7H Roller lever 7H

1K Offset roller lever 1K

3K Angle roller lever 3K

RMS Brass roller

(3)

3 slim design

5 large design

(4)

11 1 NO contacts/1 NC contact

02 2 NC contact

20 2 NO contacts (not suitable for safety applications)

01/01 1 NC contact left / 1 NC contact right

12 1 NO contact/2 NC contacts

03 3 NC contact

(5)

H Slow action with staggered contacts

UE Slow action with overlapping contacts

(6)

G24 with LED

(7)

without Cable entry M20

NPT Cable entry NPT 1/2"

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

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

(8)

2138 Roller lever 7H for position switches with safety function

(9)

1637 Gold-plated contacts

Pictures

Photo/Product/Catalogue



ID: k355hf02

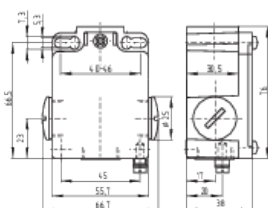
| 483,4 kB | .jpg | 188.383 x 369.358 mm - 534 x 1047

Pixel - 72 dpi

| 98,9 kB | .png | 74.083 x 144.992 mm - 210 x 411

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1x355g01

| 10,6 kB | .png | 74.083 x 51.506 mm - 210 x 146

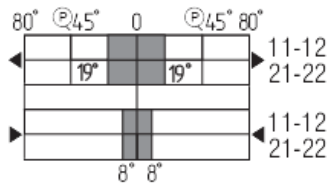
Pixel - 72 dpi

| 132,5 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695

Pixel - 72 dpi

| 32,9 kB | .cdr |

Diagramm/Product/Travel	Diagramm	Product	Travel
Diagramm	Diagramm		
Product		Product	
Travel			Travel



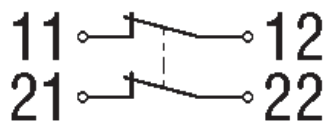
ID: kh335s06

| 2,7 kB | .png | 74.083 x 41.275 mm - 210 x 117 Pixel
- 72 dpi

| 95,0 kB | .jpg | 352.778 x 196.497 mm - 1000 x 557
Pixel - 72 dpi

| 27,6 kB | .cdr |

Graphic/Product/Contact

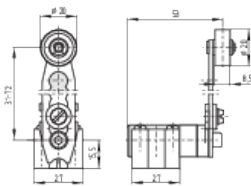


ID: k2o--k01

| 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: 1h336g02

| 10,3 kB | .png | 74.083 x 52.211 mm - 210 x 148
Pixel - 72 dpi

| 88,3 kB | .cdr |

| 102,9 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703
Pixel - 72 dpi

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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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