

ZR355-11Z



- 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

	ZR 355-11Z
	101167072
EAN (European Article Number)	4030661217437
eCl@ss number, Version 9.0	27-27-26-01

Approval - Standards

cULus
CCC
EAC

General data

Product name	Z 355 roller plunger _R
Housing construction form	Norm construction design C
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	235 g

General data - Features

Safety functions	Yes
Number of auxiliary contacts	1
Number of safety contacts	1

Safety appraisal

	BG-GS-ET-15 ISO 13849-1 EN 60947-5-1
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 plunger
Mechanical life, minimum	30,000,000 Operations
Actuating force, minimum	12 N
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note Bounce duration	Bounce duration in accordance with actuating speed

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	116.6 mm
Length of sensor	38 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

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 NO contact, NC contact
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: k355rf01

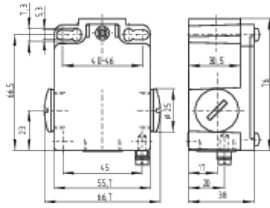
| 72,7 kB | .png | 74.083 x 119.239 mm - 210 x 338

Pixel - 72 dpi

| 622,7 kB | .jpg | 228.247 x 367.947 mm - 647 x 1043

Pixel - 72 dpi

Dimension/Product/Basic



ID: 1x355g01

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

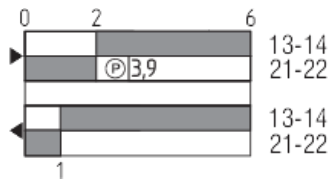
Pixel - 72 dpi

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

Pixel - 72 dpi

| 32,9 kB | .cdr |

Diagramm/Product/Travel



ID: kr335s12

| 67,0 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533

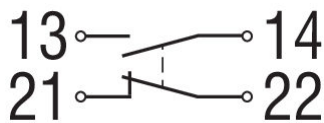
Pixel - 72 dpi

| 2,4 kB | .png | 74.083 x 39.511 mm - 210 x 112 Pixel

- 72 dpi

| 25,9 kB | .cdr |

Graphic/Product/Contact

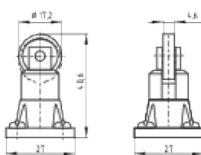


ID: k1o1sk01

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

Pixel - 72 dpi

Dimension/Product/Actuator



ID: 1r336g01

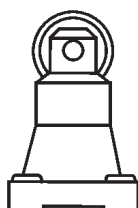
| 6,6 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

| 66,1 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703

Pixel - 72 dpi

| 51,1 kB | .cdr |

Illustration/Product/Function



ID: 235rz01

| 149,7 kB | .jpg | 352.778 x 799.394 mm - 1000 x
2266 Pixel - 72 dpi

| 15,2 kB | .cdr |

| 2,9 kB | .png | 74.083 x 167.922 mm - 210 x 476

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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