

EX-Z1K 355-11Z-3G/D



- Metal enclosure
- 66,7 mm x 76 mm x 38 mm
- 3 cable entries M 20 x 1.5
- Mounting details to EN 50041
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°
- Including Ex-certified screwed cable gland and screw plug
- Snap action with constant contact pressure up to switching point

Data

Ordering data

	EX-Z1K 355-11Z-3G/D
	101209912
EAN (European Article Number)	4030661383972
eCl@ss number, Version 9.0	27-27-26-01

Explosion protection

EN 60079-15
 EN 60079-31
 IEC 60079-0
 22
 2
 3D
 3G
 Ⓢ II 3G Ex nC IIC T5 Gc X
 Ⓢ II 3D Ex tc IIIC T90°C Dc X

Manufacturer declaration	ATEX Zone 2 and 22
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General data

Product name	EX-Z 355 offset roller lever 1K IEC 60947-5-1 BG-GS-ET-15
Housing construction form	Norm construction design
Enclosure material	Light alloy die-casting
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	224 g

General data - Features

Safety functions	Yes
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
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Mechanical data

Actuating element	Offset roller lever
Mechanical life, minimum	30,000,000 Operations
Impact energy, maximum	1 J
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
Cable cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
	0.75 mm ² 2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Height of sensor	118.5 mm
Length of sensor	38 mm
Width of sensor	40.5 mm

Ambient conditions

	IP67
Ambient temperature, minimum	-20 °C
Ambient temperature, maximum	+60 °C

Ambient conditions - Insulation value

Rated impulse withstand voltage	6 kV
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Electrical data

Thermal test current	10 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
Switching frequency	5,000 /h
Switchover time, maximum	2 ms

Ordering code

Product type description:

(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

7H-2138 Roller lever 7H for position switches with safety function

1K Offset roller lever 1K

3K Angle roller lever 3K

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

H Slow action with staggered contacts

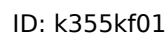
UE Slow action with overlapping contacts

1297 Enclosure with transverse slotted holes

2138 Roller lever 7H for position switches with safety function

1637 Gold-plated contacts

Photo/Product/Catalogue



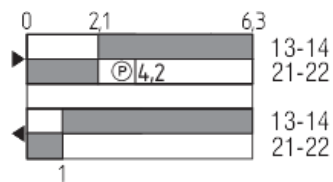
| 90,9 kB | .png | 74.083 x 123.119 mm - 210 x 349
Pixel - 72 dpi

| 566,6 kB | .jpg | 198.967 x 330.906 mm - 564 x 938
Pixel - 72 dpi

ID: k-355g01

| 133,4 kB | .jpg | 352.778 x 215.9 mm - 1000 x 612
Pixel - 72 dpi
| 30,4 kB | .cdr |
| 4,4 kB | .png | 74.083 x 45.156 mm - 210 x 128 Pixel
- 72 dpi

Diagramm/Product/Travel



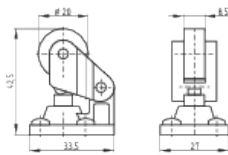
ID: kk335s18

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

| 69,5 kB | .jpg | 352.778 x 188.031 mm - 1000 x 533
Pixel - 72 dpi

| 25,9 kB | .cdr |

Dimension/Product/Actuator



ID: 1k336g01

| 71,4 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697
Pixel - 72 dpi

| 7,0 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel
- 72 dpi

| 57,2 kB | .cdr |

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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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