



EX-Z4V7H 335-11Z-2138-3G/D

- Metal enclosure
- Ex-Zone 2 and 22
- 40,5 mm x 76 mm x 38 mm
- 1 Cable entry 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°
- Snap action with constant contact pressure up to switching point

Data

Ordering data

	EX-Z4V7H 335-11Z-2138-3G/D
	101211766
EAN (European Article Number)	4030661390628
eCl@ss number, Version 9.0	27-27-26-01

Explosion protection

BG-GS-ET-15
 EN 60079-0
 EN 60079-15
 EN 60079-31
 EN 60947-5-1
 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
--------------------------	--------------------

General data

Product name	EX-Z 335 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	340 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
-----------------------------------	-----------------------

Mechanical data

Actuating element	Roller lever
Mechanical life, minimum	30,000,000 Operations
Impact energy, maximum	4 J
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
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	173.5 mm
------------------	----------

Length of sensor	57.3 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
---------------------------------	------

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:

EX-(1)(2) 335-(3)Z(4)-(5)-(6)-(7)-3G/D

(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

(3)

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

- (4)
- H** Slow action with staggered contacts
- UE** Slow action with overlapping contacts

- (5)
- 1297** Enclosure with transverse slotted holes

- (6)
- 2138** Roller lever 7H for position switches with safety function

- (7)
- 1637** Gold-plated contacts

Pictures

Photo/Product/Catalogue

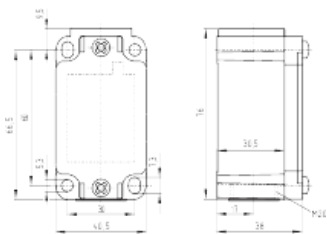


ID: k335hf02

| 136,9 kB | .png | 74.083 x 204.258 mm - 210 x 579
Pixel - 72 dpi

| 462,0 kB | .jpg | 148.519 x 409.575 mm - 421 x 1161
Pixel - 72 dpi

Dimension/Product/Basic



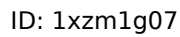
ID: k-335g01

| 126,8 kB | .jpg | 352.778 x 248.708 mm - 1000 x 705
Pixel - 72 dpi

| 4,1 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel
- 72 dpi

| 27,9 kB | .cdr |

Dimension/Product/Basic



| 46,3 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691
Pixel - 72 dpi

ID: kh335s02

| 98,4 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548
Pixel - 72 dpi

| 25,4 kB | .cdr |

ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407
Pixel - 72 dpi

ID: 1h336g02

| 88,3 kB | .cdr |

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

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 002021-01-31T17:35:00+01:000501Europe/BerlinSun, 31 Jan 2021 17:35:00

+010000pmSunday.31pm31Europe/BerlinCET3501Europe/BerlinJanuary2021Sun, 31 Jan 2021 17:35:00
+010001pm31