

## Datasheet - ZAF 236-11Z



Position switch / 236 Thermoplastic enclosure - EN 50047 with Actuator / 236 Spring rod lever  
AF



- **only for positioning tasks**
- Can be actuated from any direction
- 1 Cable entry M 20 x 1.5
- Thermoplastic enclosure
- Good resistance to oil and petroleum spirit
- Wide range of alternative actuators
- 30 mm x 58,5 mm x 30 mm
- Double-insulated
- Mounting details to EN 50047
- Actuator heads can be repositioned by 4 x 90°

(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	ZAF 236-11Z
Article number	103004137
EAN Code	
eCl@ss	27-27-26-01

### Approval


Approval



### Classification

Standards	-
B10d Normally-closed contact (NC)	-
Mission time TM	-
notice	-

### Global Properties

Permanent light	Z 236 Federstabhebel AF
Standards	EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	No
Materials	
- Material of the housings	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
- Material of the rod	Metal film
- Material of the contacts	Silver
Housing coating	None
Housing construction form	Norm construction design
Weight	95

## Mechanical data

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Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	0,75
- Max. Cable section	2.5
Mechanical life	1.000.000 operations
Switching frequency	max. 1800 /h
notice	All indications about the cable section are including the conductor ferrules.
Design of actuating element	Spring rod lever
Actuating force	6 N
Bounce duration	< 3
Switchover time	< 5.5
Actuating speed	
- Min. Actuating speed	10
- Max. Actuating speed	1

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-30 °C
- Max. environmental temperature	+80 °C
Protection class	IP67

## Electrical data

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Design of control element	Normally open contact (NO), Opener (NC)
Switching principle	Snap switch element
Number of auxiliary contacts	1
Number of safety contacts	1
Rated impulse withstand voltage $U_{imp}$	6 kV
Rated insulation voltage $U_i$	500 V
Thermal test current $I_{the}$	10 A
Utilisation category	AC-15: 230 V / 4 A, DC-13: 24 V / 1 A
Required rated short-circuit current	1000 A
Max. fuse rating	6 A gG D-fuse

## Dimensions

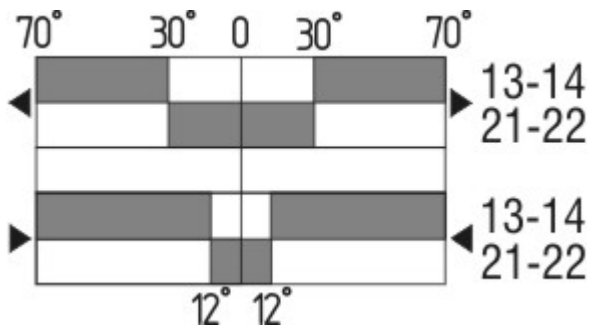
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Dimensions of the sensor	
- Width of sensor	30

- Height of sensor
- Length of sensor

232  
30

### Switch travel diagram



Notes Switch travel diagram

- Contact closed
- Contact open
- ▨ Setting range
- Ⓛ Break point
- Ⓟ Positive opening sequence/- angle
- VS** adjustable range of NO contact
- VÖ** adjustable range of NC contact
- N** after travel

### Ordering suffix

The applicable ordering suffix is added at the end of the part number of the safety switch.

Order example: ZAF 236-11Z-1637

....1637	0,3 µm gold-plated contacts
.... ID	IDC method of termination
....NPT	Cable entry NPT 1/2"
....1297	Enclosure with transverse slotted holes
....Z	Actuator head gasket
....ST	M12 connector with A-coding Rated impulse withstand voltage $U_{imp}$ : 4 kV Rated insulation voltage $U_i$ : 250 V Rated operating voltage $U_e$ : 230 V Operating current $I_e$ : 4 A
....2310	M12 connector with B-coding Rated impulse withstand voltage $U_{imp}$ : 4 kV Rated insulation voltage $U_i$ : 250 V Rated operating voltage $U_e$ : 230 V Operating current $I_e$ : 4 A

### Ordering code

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(1)(2) 2(3)6-(4)Z(5)-(6)-(7)-(8)-(9)

(1)

Z Snap action  
T Slow action

(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

(3)

3 slim design  
5 large design

(4)

02 2 Opener (NC)  
11 1 Normally open contact (NO) / 1 Opener (NC)  
20 2 Normally open contact (NO), (*Switch with 2 NO contacts are not for security tasks*)

(5)

H Slow action with staggered contacts  
UE Slow action with overlapping contacts

(6)

*without* Cable entry M20  
ID IDC method of termination  
NPT cable entry NPT 1/2"  
ST M12 connector with A-coding  
ST-2310 M12 connector with B-coding

(7)

1297 Enclosure with transverse slotted holes

(8)

2138 Roller lever 7H for Position switches with safety function

(9)

1637 gold-plated contacts

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## Documents

**Operating instructions and Declaration of conformity** (en) 160 kB, 15.06.2018

Code: mrlk\_zt235\_236\_en

**Operating instructions and Declaration of conformity** (es) 161 kB, 21.06.2018

Code: mrlk\_ZT235\_236\_es

**Operating instructions and Declaration of conformity (de)** 160 kB, 15.06.2018

Code: mrlk\_ZT235\_236\_de

**Operating instructions and Declaration of conformity (pl)** 198 kB, 27.06.2018

Code: mrlk\_ZT235\_236\_pl

**Operating instructions and Declaration of conformity (nl)** 162 kB, 15.06.2018

Code: mrlk\_ZT235\_236\_nl

**Operating instructions and Declaration of conformity (pt)** 163 kB, 27.06.2018

Code: mrlk\_ZT235\_236\_pt

**Operating instructions and Declaration of conformity (it)** 162 kB, 15.06.2018

Code: mrlk\_ZT235\_236\_it

**Operating instructions and Declaration of conformity (fr)** 164 kB, 15.06.2018

Code: mrlk\_ZT235\_236\_fr

**Operating instructions and Declaration of conformity (cs)** 194 kB, 25.01.2019

Code: mrlk\_ZT235\_236\_cs

**Declaration of conformity (es)** 91 kB, 18.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_es

**Declaration of conformity (pl)** 130 kB, 18.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_pl

**Declaration of conformity (it)** 89 kB, 18.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_it

**Declaration of conformity (pt)** 90 kB, 18.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_pt

**Declaration of conformity (fr)** 89 kB, 18.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_fr

**Declaration of conformity (de)** 581 kB, 07.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_de

**Declaration of conformity (en)** 579 kB, 07.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_en

**Declaration of conformity (nl)** 89 kB, 18.06.2018

Code: KAS\_konfi\_nsr\_zt2xx-3xx\_nl

**CCC certification (cn)** 4 MB, 11.04.2018

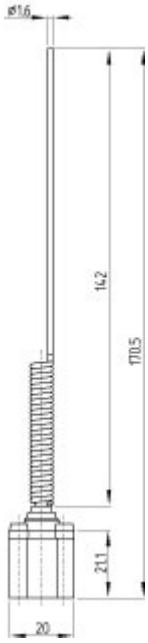
Code: q\_235p02

**CCC certification (en)** 4 MB, 27.10.2017

Code: q\_235p01

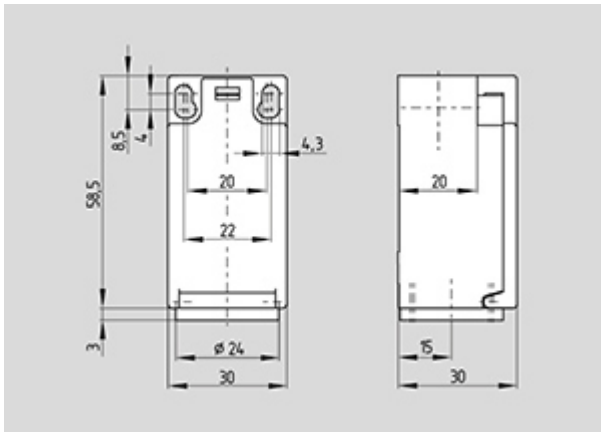
**EAC certification (ru)** 844 kB, 05.10.2015

Code: q\_6037p17\_ru



Dimensional drawing (basic component)

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Dimensional drawing (basic component)

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