



ZR 236-11ZR-1816

- with latching function, reset by notched pin
- 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°

Data

Ordering data

Product type description	ZR 236-11ZR-1816
Article number (order number)	151105853
eCl@ss number, version 12.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 9.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	cULus
	CCC

General data

Standards	BG-GS-ET-15
	EN IEC 60947-5-1
	EN ISO 13849-1
Housing construction form	Norm construction design
Actuator type to EN 50047	C
Housing material	Plastic, glass-fibre-reinforced

General data

Gross weight	65 g
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General data - Features

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

Safety classification

Standards	EN IEC 60947-5-1
Mission time	20 Year(s)

Safety classification - Safety outputs

B10D Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Roller plunger
Mechanical lifetime, minimum	20,000,000 Operations
Actuating force, minimum	9 N
Positive break force, minimum	19 N
Actuating speed, minimum	20 mm/min
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Cable entry	1 x M20 x 1,5
Cable section, minimum	0.75 mm ²
Cable section, maximum	2.5 mm ²
Note	All indications including the conductor ferrules.
Terminal (mechanical)	Screw terminals

Mechanical data - Dimensions

Length of sensor	30 mm
Width of sensor	30 mm
Height of sensor	84 mm

Ambient conditions

IP Degree of protection	IP67
	IP65
Ambient temperature	-30 ... +80 °C

Ambient conditions - Insulation values

Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	6 kV

Electrical data

Thermal test current	10 A
Required rated short-circuit current	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	1 A
Switching element	1 NO contact, 1 NC contacts
Switching principle	Snap action with latch
Maximum switching frequency	5,000 /h
Material of the contacts, electrical	Silver

Note

Note (General)	(-1816) Reset is carried by grooved pin either roll pin in actuating bolt
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Pictures

Product picture (catalogue individual photo)



ID: k236rf01

[| 940.28 KB | .jpg | 1000 x 2263 Pixel](#)

[| 26.34 KB | .jpg | 155 x 350 Pixel](#)

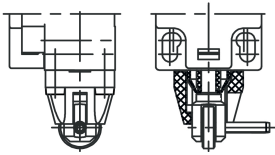
[| 127.35 KB | .png | 210 x 475 Pixel](#)

Dimensional drawing basic component

ZR 236-11zr-U270-1816

ID: Kr236g07

[| 153.81 KB | .jpg | 1000 x 775 Pixel](#)

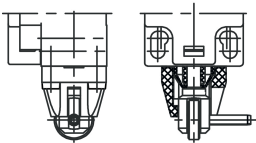


Dimensional drawing basic component

ZR 236-11zr-U90-1816

ID: Kr236g06

[| 160.49 KB | .jpg | 1000 x 831 Pixel](#)

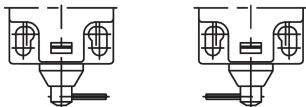


Dimensional drawing basic component

-U180

ID: Ku236g01

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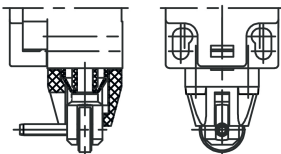


Dimensional drawing basic component

ZR 236-11zr-1816

ID: Kr236g05

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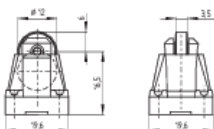


Dimensional drawing actuator

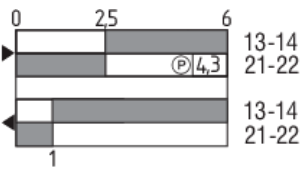
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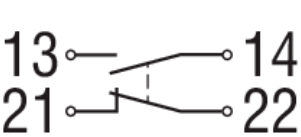


Switch travel diagram



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Diagram



ID: k1o1sk01
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| 2.58 KB | .png | 210 x 85 Pixel

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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