



## ZS 332-11Y-M20

- Metal enclosure
- Long life
- 40 mm x 76 mm x 40 mm ( basic component)
- Suitable for low actuating speeds
- 1 Cable entry M 20 x 1.5
- free of silicon
- proved in power station applications

## Data

### Ordering data

Product type description	ZS 332-11Y-M20
Article number (order number)	131149622
EAN (European Article Number)	8905236106835

### General data

Standards	EN IEC 60947-5-1
Working principle	mechanical
Slide form	Sphere
Enclosure material	Light-alloy diecast, paint finish
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	224 g

### General data - Features

Number of normally closed (NC)	1
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Number of normally open (NO)	1
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### Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	20,000,000 Operations
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### Mechanical data

Actuating element	Plunger
Mechanical life, minimum	30,000,000 Operations
Actuating angle	20 °
Actuating force, minimum	17.5 N
Contact opening	2 x 0.5 mm
Actuating speed, minimum	1 mm/min
Repeat accuracy of switching points	0.02

### Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	1.5 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
Note (Cable section)	All indications including the conductor ferrules.
Wire cross-section	13 AWG

### Mechanical data - Dimensions

Length of sensor	40 mm
Width of sensor	40 mm
Height of sensor	87 mm
Diameter of the Plunger	9 mm

## Ambient conditions

Degree of protection	IP65
Ambient temperature, minimum	-30 °C
Resistance to shock	50 g / 6 ms

## Ambient conditions - Insulation values

Rated insulation voltage $U_i$	250 V
Rated impulse withstand voltage $U_{imp}$	4 kV

## Electrical data

Thermal test current	6 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	2.5 A
Switching element	NO contact, NC contact
Note (Switching element)	galvanically separated contact bridges
Switching principle	Snap action
Bounce duration, maximum	43,221 ms
Switchover time, maximum	10 ms

## Note

Note (General)	Actuation from the side of the plunger should be avoided, since this reduces the mechanical life of the position switch.
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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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