



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 1

(NC)

Number of normally open 1

(NO)

Safety classification - Safety outputs

B_{10D} Normally-closed 20,000,000 Operations
contact (NC)

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 0.02
points

Mechanical data - Connection technique

Termination Screw terminals M20 x 1.5

Cable section, minimum 1.5 mm²

Cable section, maximum 2.5 mm²

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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