



ZS 332-11Y-M20

- 1 Cable entry M 20 x 1.5
- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 40 mm x 76 mm x 40 mm
- Actuator heads can be repositioned by 4 x 90°
- Large contact break
- High repeat accuracy of the switching points
- Gold-plated solid silver contacts
- Magnetic-storage snap action system
- Switching system separated from snap action system, providing constant switching point independent of contact wear
- Design to EN 50041

Data

Ordering data

EAN (European Article Number)	4030661152516
eCl@ss number, Version 9.0	27-27-26-01
eCl@ss number, Version 11.0	27-27-26-01
ETIM number, version 6.0	EC000030
ETIM number, version 7.0	EC000030

Approval - Standards

Certificates	CCC EAC
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General data

Standards	EN 60947-5-1 BG-GS-ET-15
Housing construction form	Norm construction design
Actuator type to DIN EN 50041	B
Enclosure material	Metal film
Enclosure coating material	painted
Material of the contacts, electrical	Gold-plated silver
Gross weight	190 g

General data - Features

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

Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d 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 force	31 N
Contact opening	> 2 x 1.25 mm (for complete stroke)
Actuating speed, minimum	10 mm/min
Repeat accuracy of switching points	0.02

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	1.5 mm ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	40 mm
Width of sensor	40 mm
Height of sensor	103.5 mm

Ambient conditions

Degree of protection	IP65 to EN 60529 IP67 to EN 60529
Ambient temperature, minimum	-30 °C
Ambient temperature, maximum	+80 °C

Ambient conditions - Insulation value

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

Electrical data

Thermal test current	6 A
Required rated short-circuit current to EN 60947-5-1	1,000 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	2.5 A
Switching element	NO contact, NC contact

Switching principle	Snap switch element
Bounce duration, maximum	2.5 ms
Switching frequency	3,000 /h
Switchover time, minimum	1.5 ms

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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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