



## Z4VH 332-11Y-M20

- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 40,5 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- Design to EN 50041

## Data

### Ordering data

EAN (European Article Number) 4030661163666

### Approval - Standards

Certificates CCC  
EAC

### General data

Housing construction form	Norm construction design
Actuator type to DIN EN 50041	A
Enclosure material	Metal film
Enclosure coating material	painted
Material of the contacts, electrical	Gold-plated silver
Lever material	Metal film
Roller material	Plastic
Gross weight	270 g

## General data - Features

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

## Safety appraisal

Standards	BG-GS-ET-15 EN ISO 13849-1 EN 60947-5-1
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	Roller lever
Mechanical life, minimum	30,000,000 Operations
Contact opening	> 2 x 1.25 mm (for complete stroke)
Actuating speed, minimum	10 mm/min
Actuating speed, maximum	2.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Actuating torque, minimum	0.4 Nm
Repeat accuracy of switching points	0.02

## Mechanical data - Connection technique

Terminal Connector	Screw terminals M20 x 1.5
Cable section, minimum	1.5 mm <sup>2</sup>

Cable section, maximum	2.5 mm <sup>2</sup>
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### Mechanical data - Dimensions

Length of sensor	60.6 mm
Width of sensor	40.5 mm
Height of sensor	134 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
Utilisation category DC-13	24 VDC
Utilisation category DC-13	4 A
Switching element	NO contact, NC contact
Switching principle	Snap switch element
Bounce duration, maximum	2.5 ms
Switching frequency	5,000 /h

Switchover time, minimum

1.5 ms

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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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