



Z4V7H 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
- **only for positioning tasks**
- Lever angle adjustable in 10° steps

Data

Ordering data

Note (Delivery capacity)	Not available!
Product type description	Z4V7H 332-11Y-M20
Article number (order number)	101152177
EAN (European Article Number)	4030661164984

Approvals - Standards

Certificates	CCC
--------------	-----

General data

Standards	BG-GS-ET-15 EN IEC 60947-5-1
Housing construction form	Norm construction design

Housing material	Light alloy die-casting
Housing coating material	painted
Lever material	Metal film
Gross weight	275 g

General data - Features

Number of auxiliary contacts	1
Number of safety contacts	1

Safety classification

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

Safety classification - Safety outputs

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

Mechanical data

Actuating element	Roller lever
Roller material	Plastic
Mechanical life, minimum	30,000,000 Operations
Contact opening	> 2 x 1.25 mm (for complete stroke)
Actuating speed, minimum	10 mm/min
Actuating torque, minimum	0.4 Nm
Repeat accuracy of switching points	0.02 mm

Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	1.5 mm ²
Cable section, maximum	2.5 mm ²

Mechanical data - connector side B

Connector typ	Female connector
---------------	------------------

Mechanical data - Dimensions

Length of sensor	57 mm
Width of sensor	40 mm
Height of sensor	173.5 mm

Ambient conditions

Degree of protection	IP65 IP67
Degree of protection of the enclosure	IP40
Ambient temperature	-30 ... +80 °C

Ambient conditions - Insulation values

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	6 A
Required rated short-circuit current	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 action
Bounce duration, maximum	2.5 ms
Switching frequency	3,000 /h
Switchover time, minimum	1.5 ms

Material of the contacts, electrical

Gold-plated silver (AgNi 15 + Au 0,3µm)

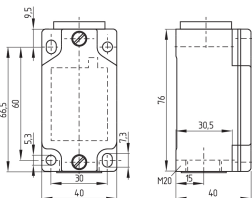
Pictures

Product picture (catalogue individual photo)



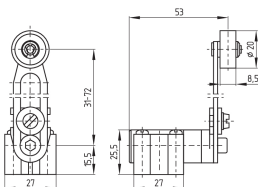
ID: k332hf02
| 650.5 kB | .jpg | 156.281 x 415.925 mm - 443 x 1179 px - 72 dpi
| 164.1 kB | .png | 74.083 x 196.85 mm - 210 x 558 px - 72 dpi
| 47.3 kB | .jpg | 46.567 x 123.472 mm - 132 x 350 px - 72 dpi

Dimensional drawing basic component



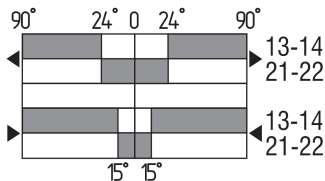
ID: 1-332g01
| 26.9 kB | .cdr |
| 4.4 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi
| 103.8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697 px - 72 dpi

Dimensional drawing actuator



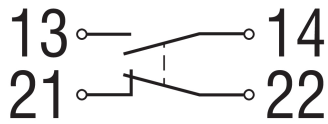
ID: 1h355g02
| 30.2 kB | .cdr |
| 9.6 kB | .png | 74.083 x 51.153 mm - 210 x 145 px - 72 dpi
| 104.9 kB | .jpg | 352.778 x 243.769 mm - 1000 x 691 px - 72 dpi

Switch travel diagram



ID: kh332s02
| 23.0 kB | .cdr |
| 2.5 kB | .png | 74.083 x 40.922 mm - 210 x 116 px - 72 dpi
| 83.6 kB | .jpg | 352.778 x 195.792 mm - 1000 x 555 px - 72 dpi

Diagram



ID: k1o1sk01

| 52.2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407 px - 72 dpi

| 2.6 kB | .png | 74.083 x 29.986 mm - 210 x 85 px - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 30, 42279 Wuppertal

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.

Generated on: 02/09/2023, 10:43