



Z4V10H 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	Z4V10H 332-11Y-M20
Article number (order number)	101161686
EAN (European Article Number)	4030661196510
eCl@ss number, version 12.0	27-27-06-01
eCl@ss number, version 11.0	27-27-06-01
eCl@ss number, version 9.0	27-27-06-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	CCC
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General data

Standards	BG-GS-ET-15 EN IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to EN 50041	D
Housing material	Light alloy die-casting
Housing coating material	painted
Lever material	Metal film
Material of the rod	Plastic (Polyamid)
Gross weight	270 g

General data - Features

Number of auxiliary contacts	1
Number of safety contacts	1

Safety classification

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

Safety classification - Safety outputs

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

Actuating element	Rod 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 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
Note	All indications including the conductor ferrules.

Mechanical data - connector side B

Connector typ	Female connector
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Mechanical data - Dimensions

Length x Width x Height	Height of sensor: 111 mm (without rod)
Length of sensor	52 mm
Width of sensor	40 mm

Ambient conditions

Degree of protection	IP65 IP67
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
Maximale Schalthäufigkeit	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)



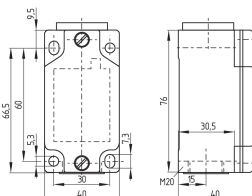
ID: k332hf03

| 1.1 MB | .jpg | 352.778 x 1115.483 mm - 1000 x 3162 px - 72 dpi

| 172.8 kB | .png | 74.083 x 234.244 mm - 210 x 664 px - 72 dpi

| 56.6 kB | .png | 39.158 x 123.472 mm - 111 x 350 px - 72 dpi

Dimensional drawing basic component



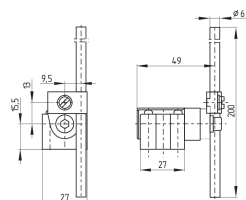
ID: 1-332g01

| 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



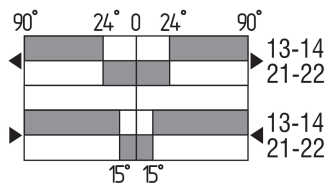
ID: 1h336g03

| 72.8 kB | .cdr |

| 3.8 kB | .png | 74.083 x 52.211 mm - 210 x 148 px - 72 dpi

| 84.2 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703 px - 72 dpi

Switch travel diagram



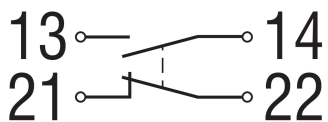
ID: kh332s02

| 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

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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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