

## ZS 332-11Y



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

### Data

#### Ordering data

|                               |               |
|-------------------------------|---------------|
|                               | ZS 332-11Y    |
|                               | 101149622     |
| EAN (European Article Number) | 4030661152516 |
| eCl@ss number, Version 9.0    | 27-27-26-01   |

#### Approval - Standards

CCC  
EAC

#### General data

|                            |                          |
|----------------------------|--------------------------|
| Product name               | 332 plunger S            |
|                            | EN 60947-5-1             |
|                            | BG-GS-ET-15              |
| Housing construction form  | Norm construction design |
|                            | 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

|              |             |
|--------------|-------------|
|              | ISO 13849-1 |
| Mission Time | 20 Year(s)  |

#### Safety appraisal - Safety outputs

|                                   |                       |
|-----------------------------------|-----------------------|
| B10d Normally-closed contact (NC) | 20,000,000 Operations |
|-----------------------------------|-----------------------|

#### 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                                   |

#### Mechanical data - Connection technique

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Terminal Connector   | Screw connection                                                              |
|                      | 1.5 mm <sup>2</sup>                                                           |
|                      | 2.5 mm <sup>2</sup>                                                           |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |

#### Mechanical data - Dimensions

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

#### Ambient conditions

|                              |        |
|------------------------------|--------|
|                              | IP65   |
| Ambient temperature, minimum | -30 °C |
| Ambient temperature, maximum | +80 °C |

## Ambient conditions - Insulation value

Rated impulse withstand voltage 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

## Ordering code

Product type description:

Z(1) 332-11Y-(2)-(3)

(1)

**S** Plunger S  
**R** Roller plunger R  
**H** Roller lever H  
**10H** Rod lever 10H  
**7H** Roller lever 7H

(2)

**without** Cable entry M20  
**ST** M12 connector with A-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)  
**2310** M12 connector with B-coding (Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.)  
**PG13,5** Cable entry, PG screw fitting 13.5 mm

(3)

**2138** Roller lever 7H for position switches with safety function

## Pictures

## Photo/Product/Catalogue



ID: k332sf01

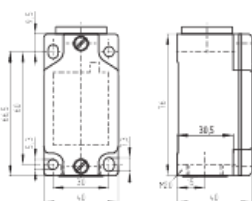
| 133,0 kB | .png | 74.083 x 155.575 mm - 210 x 441

Pixel - 72 dpi

| 449,1 kB | .jpg | 146.403 x 307.622 mm - 415 x 872

Pixel - 72 dpi

## Dimension/Product/Basic



ID: 1-332g01

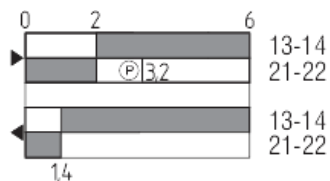
| 26,9 kB | .cdr |

| 103,8 kB | .jpg | 352.778 x 245.886 mm - 1000 x 697

Pixel - 72 dpi

| 4,4 kB | .png | 74.083 x 51.506 mm - 210 x 146 Pixel  
- 72 dpi

## Diagramm/Product/Travel



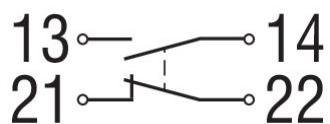
ID: ks332s01

| 22,8 kB | .cdr |

| 2,3 kB | .png | 74.083 x 40.217 mm - 210 x 114 Pixel  
- 72 dpi

| 69,8 kB | .jpg | 352.778 x 191.911 mm - 1000 x 544  
Pixel - 72 dpi

## Graphic/Product/Contact

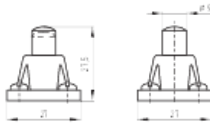


ID: k1o1sk01

| 52,2 kB | .jpg | 352.778 x 143.581 mm - 1000 x 407  
Pixel - 72 dpi

## Dimension/Product/Actuator

ID: 1s336g01



| 2,7 kB | .png | 74.083 x 52.211 mm - 210 x 148 Pixel  
- 72 dpi

| 48,9 kB | .cdr |

| 52,6 kB | .jpg | 352.778 x 248.003 mm - 1000 x 703  
Pixel - 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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