



Z4VH 336-11Z-2108

- Design to EN 50041
- Lever angle adjustable in 10° steps
- Thermoplastic enclosure
- Double-insulated
- Good resistance to oil and petroleum spirit
- Wide range of alternative actuators
- Actuator heads can be repositioned by 4 x 90°
- 1 Cable entry M 20 x 1.5

Data

Ordering data

| | |
|-------------------------------|-------------------|
| Product type description | Z4VH 336-11Z-2108 |
| Article number (order number) | 151115927 |
| eCl@ss number, version 12.0 | 27-27-26-01 |
| eCl@ss number, version 11.0 | 27-27-26-01 |
| eCl@ss number, version 9.0 | 27-27-26-01 |
| ETIM number, version 7.0 | EC000030 |
| ETIM number, version 6.0 | EC000030 |

Approvals - Standards

| | |
|--------------|--------------|
| Certificates | cULus CCC |
|--------------|--------------|

General data

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|---------------------------|---------------------------------|
| Housing construction form | Norm construction design |
| Actuator type to EN 50041 | A |
| Housing material | Plastic, glass-fibre-reinforced |

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|----------------|------------|
| Lever material | Metal film |
|----------------|------------|

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|--------------|-------|
| Gross weight | 178 g |
|--------------|-------|

General data - Features

| | |
|------------------|-----|
| Safety functions | Yes |
|------------------|-----|

Safety classification

| | |
|-----------|------------------|
| Standards | EN IEC 60947-5-1 |
|-----------|------------------|

| | |
|--------------|------------|
| 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 |
|-------------------|--------------|

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|-----------------|---------|
| Roller material | Plastic |
|-----------------|---------|

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|------------------------------|-----------------------|
| Mechanical lifetime, minimum | 30,000,000 Operations |
|------------------------------|-----------------------|

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|--------------------------|---------|
| Actuating speed, maximum | 2.5 m/s |
|--------------------------|---------|

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|------------------------|---|
| Note (Actuating speed) | Actuating speed with actuating angle 30° to switch axis |
|------------------------|---|

| | |
|---------------------------|--------|
| Actuating torque, minimum | 0.3 Nm |
|---------------------------|--------|

Mechanical data - Connection technique

| | |
|-------------|---------------------------|
| Termination | Screw terminals M20 x 1.5 |
|-------------|---------------------------|

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|------------------------|----------------------|
| Cable section, minimum | 0.75 mm ² |
|------------------------|----------------------|

| | |
|------------------------|---------------------|
| Cable section, maximum | 2.5 mm ² |
|------------------------|---------------------|

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| Note | All indications including the conductor ferrules. |
|------|---|

Mechanical data - Dimensions

| | |
|------------------|----------|
| Length of sensor | 60.5 mm |
| Width of sensor | 40.5 mm |
| Height of sensor | 129.5 mm |

Ambient conditions

| | |
|---------------------|----------------|
| Ambient temperature | -30 ... +80 °C |
|---------------------|----------------|

Ambient conditions - Insulation values

| | |
|---|------|
| Rated impulse withstand voltage U_{imp} | 6 kV |
|---|------|

Electrical data

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|--------------------------------------|-----------------------------|
| Thermal test current | 10 A |
| Required rated short-circuit current | 1,000 A |
| Utilisation category AC-15 | 230 VAC |
| Utilisation category AC-15 | 4 A |
| Utilisation category DC-13 | 24 VDC |
| Utilisation category DC-13 | 4 A |
| Switching element | 1 NO contact, 1 NC contacts |
| Switching principle | Snap action |
| Maximale Schalthäufigkeit | 5,000 /h |
| Material of the contacts, electrical | Silver |

Ordering code

Product type description:

(1)(2) 336-(3)(4)-(5)-(6)-(7)-(8)-(9)

(1)

Z Snap action

T Slow action (not for AF/S)

(2)

| | |
|------------|------------------------|
| S | Plunger S |
| R | Roller plunger R |
| H | Roller lever H |
| 10H | Rod lever 10H |
| 7H | Roller lever 7H |
| 1K | Offset roller lever 1K |
| 3K | Angle roller lever 3K |
| RMS | Brass roller |

(3)

| | |
|--------------|---|
| 11 | 1 NO contact/1 NC contact |
| 02 | 2 NC contact |
| 20 | 2 NO contacts, (switches with 2 NO contacts are not suitable for safety applications) |
| 01/01 | 1 NC contact left / 1 NC contact right |

(4)

| | |
|----------|-------|
| Y | IP 65 |
| Z | IP 67 |

(5)

| | |
|----------|------------------|
| | without latching |
| R | with latching |

(6)

| | |
|-----------|---------------------------------------|
| H | Slow action with staggered contacts |
| UE | Slow action with overlapping contacts |

(7)

| | |
|----------------|-----------------------------|
| without | Cable entry M20 |
| NPT | Cable entry NPT 1/2" |
| ST | M12 connector with A-coding |
| ST-2310 | M12 connector with B-coding |

(8)

2138

Roller lever 7H for position switches with safety function

(9)

1637

Gold-plated contacts

Pictures

Product picture (catalogue individual photo)



ID: k336hf01

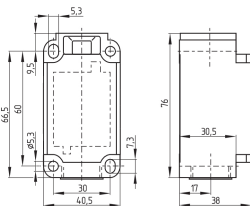
| 693.8 kB | .jpg | 352.778 x 752.122 mm - 1000 x 2132 px - 72 dpi

| 106.8 kB | .png | 74.083 x 157.692 mm - 210 x 447 px - 72 dpi

| 27.4 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 8.2 MB | .png | 169.333 x 361.103 mm - 2000 x 4265 px - 300 dpi

Dimensional drawing basic component



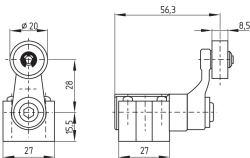
ID: 1-336g01

| 51.4 kB | .cdr |

| 4.1 kB | .png | 74.083 x 51.506 mm - 210 x 146 px - 72 dpi

| 107.0 kB | .jpg | 352.778 x 245.181 mm - 1000 x 695 px - 72 dpi

Dimensional drawing actuator



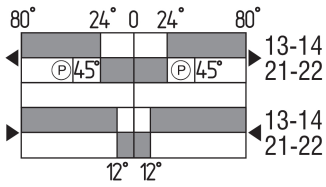
ID: 1h336g01

| 65.6 kB | .cdr |

| 4.1 kB | .png | 74.083 x 51.858 mm - 210 x 147 px - 72 dpi

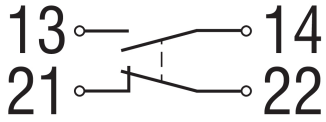
| 84.5 kB | .jpg | 352.778 x 247.297 mm - 1000 x 701 px - 72 dpi

Switch travel diagram



ID: kh335s02
 | 25.4 kB | .cdr |
 | 3.0 kB | .png | 74.083 x 40.569 mm - 210 x 115 px - 72 dpi
 | 98.4 kB | .jpg | 352.778 x 193.322 mm - 1000 x 548 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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