



TV12H 256-02Z

- 2 cable entries M 20 x 1.5
- Mounting details to EN 50047
- Thermoplastic enclosure
- Double-insulated
- 58 mm x 50,5 mm x 31 mm
- Good resistance to oil and petroleum spirit
- Wide range of alternative actuators
- Actuator heads can be repositioned by 4 x 90°
- Lever angle adjustable in 10° steps

Data

Ordering data

| | |
|-------------------------------|----------------|
| Note (Delivery capacity) | Not available! |
| EAN (European Article Number) | 4030661359205 |

Approval - Standards

| | |
|--------------|-------------------------------|
| Certificates | cULus cCSAus CCC EAC |
|--------------|-------------------------------|

General data

| | |
|-------------------------------|--|
| Standards | BG-GS-ET-15 EN ISO 13849-1 IEC 60947-5-1 |
| Housing construction form | Norm construction design |
| Actuator type to DIN EN 50047 | A |

| | |
|--------------------------------------|---|
| Enclosure material | Plastic, glass-fibre reinforced thermoplastic, self-extinguishing |
| Material of the contacts, electrical | Silver |
| Lever material | Metal film |
| Roller material | Plastic |
| Gross weight | 100 g |

General data - Features

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|---------------------------|-----|
| Safety functions | Yes |
| Number of safety contacts | 2 |

Safety appraisal

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

Safety appraisal - Safety outputs

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

Mechanical data

| | |
|---------------------------|---|
| Actuating element | Roller lever |
| Mechanical life, minimum | 20,000,000 Operations |
| Actuating speed, minimum | 4,122 mm/min |
| Actuating speed, maximum | 1 m/s |
| Note (Actuating speed) | Actuating speed with actuating angle 30° to switch axis |
| Note Bounce duration | Bounce duration in accordance with actuating speed |
| Note (Switchover time) | Switchover time in accordance with actuating speed |
| Actuating torque, minimum | 0.2 Nm |
| Positive break torque | 0.2 Nm |

Mechanical data - Connection technique

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|------------------------|---|
| Terminal Connector | Screw connection |
| Cable section, minimum | 0.75 mm ² |
| Cable section, maximum | 2.5 mm ² |
| Note (Cable section) | All indications about the cable section are including the conductor ferrules. |

Mechanical data - Dimensions

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|------------------|---------|
| Length of sensor | 46 mm |
| Width of sensor | 58 mm |
| Height of sensor | 97.5 mm |

Ambient conditions

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

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|---|-------|
| Rated insulation voltage U_i | 250 V |
| Rated impulse withstand voltage U_{imp} | 6 kV |

Electrical data

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|--|---------|
| Thermal test current | 10 A |
| Required rated short-circuit current to EN 60947-5-1 | 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 | 1 A |
| Switching element | Opener (NC) |
| Switching principle | Creep circuit element |
| Switching frequency | 5,000 /h |

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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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