



## TV10S 335-12Z

- 1 Cable entry M 20 x 1.5
- Metal enclosure
- Good resistance to oil and petroleum spirit
- Actuator heads can be repositioned by 4 x 90°
- 40,5 mm x 107 mm x 65,3 mm
- Actuator shaft can be turned 360°

## Data

### Ordering data

EAN (European Article Number)	4030661311708
eCl@ss number, Version 9.0	27-27-06-09
eCl@ss number, Version 11.0	27-27-06-09
ETIM number, version 6.0	EC002591
ETIM number, version 7.0	EC002591

### Approval - Standards

Certificates	cULus CCC EAC
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### General data

Enclosure material	Aluminium
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Enclosure coatingmaterial painted

Material of the contacts,  
electrical Silver

Gross weight 283 g

## General data - Features

Number of auxiliary  
contacts 1

Number of safety contacts 2

## Safety appraisal

Standards BG-GS-ET-15  
EN ISO 13849-1  
EN 60947-5-1

Mission Time 20 Year(s)

## Safety appraisal - Safety outputs

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

## Mechanical data

Actuating element Other

Mechanical life, minimum 1,000,000 Operations

Positive break angle 7 °

Mounting hole for the  
Shaft 10 mm

Positive break torque 0.6 Nm

## Mechanical data - Connection technique

Terminal Connector Screw connection

Cable section, minimum	0.75 mm <sup>2</sup>
Cable section, maximum	2.5 mm <sup>2</sup>
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

### Mechanical data - Dimensions

Length of sensor	65.3 mm
Width of sensor	40.5 mm
Height of sensor	107 mm

### Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+70 °C

### Ambient conditions - Insulation value

Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	6 kV

### Electrical data

Thermal test current	10 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	NO contact, NC contact
Switching principle	Creep circuit element

Switching frequency 1,000 /h

## Notes

Note (General) By turning the head in 90° steps, 8 actuating planes are possible. A Torx T10 screwdriver is required for this purpose. Even when the screw is removed, the head is self-retaining. The switch can still not be tampered.  
Adjustment tool: locking screw to fix, shaft pre-drilled to pin  
Universal joint available to compensate for axial displacement (only for shaft bore 10 mm)

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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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