



TV10H 236-11Z-M20

- 1 Cable entry M 20 x 1.5
- Thermoplastic enclosure
- Good resistance to oil and petroleum spirit
- Wide range of alternative actuators
- 30 mm x 58,5 mm x 30 mm
- Double-insulated
- Mounting details to EN 50047
- Actuator heads can be repositioned by 4 x 90°
- **only for positioning tasks**
- Lever angle adjustable in 10° steps

Data

Ordering data

EAN (European Article Number)	4030661221151
eCl@ss number, Version 9.0	27-27-06-01
eCl@ss number, Version 11.0	27-27-06-01
ETIM number, version 6.0	EC000030
ETIM number, version 7.0	EC000030

Approval - Standards

Certificates	cULus cCSAus CCC EAC
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General data

Standards	IEC 60947-5-1 EN ISO 13849-1 BG-GS-ET-15
Housing construction form	Norm construction design
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Lever material	Metal film
Material of the rod	Plastic
Gross weight	95 g

General data - Features

Number of auxiliary contacts	1
Number of safety contacts	1

Safety appraisal

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

Safety appraisal - Safety outputs

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

Actuating element	Rod 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
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Mechanical data - Connection technique

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

Length x Width x Height	Height of sensor: 96.5 mm (without rod)
Length of sensor	43.5 mm
Width of sensor	30 mm

Ambient conditions

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

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

Electrical data

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	NO contact, NC contact
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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