



TV12H 255-02ZH

- 3 cable entries M 20 x 1.5
- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 63 mm x 63,5 mm x 30 mm
- Actuator heads can be repositioned by 4 x 90°
- Mounting details to EN 50047
- Lever angle adjustable in 10° steps

Data

Ordering data

Note (Delivery capacity)	Not available!
Product type description	TV12H 255-02ZH
Article number (order number)	101174964
EAN (European Article Number)	4030661472201
eCl@ss number, version 9.0	27-27-26-01
eCl@ss number, version 11.0	27-27-26-01
eCl@ss number, version 12.0	27-27-26-01
ETIM number, version 7.0	EC000030
ETIM number, version 6.0	EC000030

Approvals - Standards

Certificates	CCC
	EAC

General data

Standards	BG-GS-ET-15 EN ISO 13849-1 EN IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to DIN EN 50047	A
Enclosure material	Metal, zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Lever material	Metal film

General data - Features

Safety functions	Yes
Number of safety contacts	2

Safety classification

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

Safety classification - Safety outputs

B _{10D} Normally-closed contact (NC)	20,000,000 Operations
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Mechanical data

Actuating element	Roller lever
Roller material	Plastic
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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Positive break torque	0.2 Nm
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Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
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Cable section, minimum	0.75 mm ²
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Cable section, maximum	2.5 mm ²
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Note (Cable section)	All indications including the conductor ferrules.
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Mechanical data - Dimensions

Length of sensor	46 mm
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Width of sensor	63 mm
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Height of sensor	110.5 mm
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Ambient conditions

Degree of protection	IP67 IP65
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Ambient temperature, minimum	-30 °C
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Ambient temperature, maximum	+80 °C
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Ambient conditions - Insulation values

Rated insulation voltage U _i	500 V
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Rated impulse withstand voltage U _{imp}	6 kV
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Electrical data

Thermal test current	10 A
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Required rated short-circuit current to EN 60947-5-1	1,000 A
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Utilisation category AC-15	230 VAC
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Utilisation category AC-15	4 A
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Utilisation category DC-13	24 VDC
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Utilisation category DC-13	1 A
Switching element	Opener (NC)
Switching principle	Slow action with staggered contacts
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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