



TS 235-20ZH

- 1 Cable entry M 20 x 1.5
- Metal enclosure
- Wide range of alternative actuators
- Good resistance to oil and petroleum spirit
- 30 mm x 63,5 mm x 30 mm
- Actuator heads can be repositioned by 4 x 90°
- Mounting details to EN 50047

Data

Ordering data

Note (Delivery capacity)	Not available!
EAN (European Article Number)	4030661135151

Approval - Standards

Certificates	cULus cCSAus CCC EAC
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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	B
Enclosure material	Zinc die-cast, paint finish

Material of the contacts, electrical	Silver
Gross weight	135 g

General data - Features

Number of auxiliary contacts	2
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Safety appraisal

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

Mechanical data

Actuating element	Plunger
Mechanical life, minimum	20,000,000 Operations
Actuating force, minimum	9 N
Positive break force, minimum	19 N
Actuating speed, minimum	60 mm/min
Actuating speed, maximum	1 m/s
Note Bounce duration	Bounce duration in accordance with actuating speed
Note (Switchover time)	Switchover time in accordance with actuating speed

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 of sensor	30 mm
Width of sensor	30 mm
Height of sensor	75.5 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	500 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	Normally open contact (NO)
Switching principle	Slow action with staggered contacts
Switching frequency	5,000 /h

Notes

Note (General)	Switch with 2 NO contacts are not for security tasks
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can be found in the manual. Technical amendments and errors possible.

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