



EX-TR 355-20Z-3G/D

- Metal enclosure
- Good resistance to oil and petroleum spirit
- 66,7 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- Including Ex-certified screwed cable gland and screw plug
- Mounting details to EN 50041
- 3 cable entries M 20 x 1.5
- Ex certified

Data

Ordering data

Note (Delivery capacity)	Not available!
EAN (European Article Number)	4030661365541

Approval - Standards

Certificates	cULus
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Explosion protection

Explosion protection: regulations	EN 60079-15 EN 60079-31 IEC 60079-0
Explosion protection zones	22 2
Explosion protection category	3D 3G

Explosion protection designation	 II 3G Ex nC IIC T5 Gc X  II 3D Ex tc IIIC T90°C Dc X
Manufacturer declaration	ATEX Zone 2 and 22

General data

Standards	BG-GS-ET-15 IEC 60947-5-1
Housing construction form	Norm construction design
Actuator type to DIN EN 50041	C
Enclosure material	Light alloy die-casting
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	0.3 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	Roller plunger
Mechanical life, minimum	30,000,000 Operations
Impact energy, maximum	1 J
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 m/s
Note (Actuating speed)	Actuating speed with actuating angle 30° to switch axis
Note (Switchover time)	Switchover time in accordance with actuating speed

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
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.
Wire cross-section	13 AWG

Mechanical data - Dimensions

Length of sensor	38 mm
Width of sensor	40.5 mm
Height of sensor	116.6 mm

Ambient conditions

Degree of protection	IP67
Ambient temperature, minimum	-20 °C
Ambient temperature, maximum	+60 °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
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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
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Notes

Note (General) Switch with 2 NO contacts are not for security tasks

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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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