



EX-TS335-11YUE

- Ex-Zone 1 and 21
- Metal enclosure
- Good resistance to oil and petroleum spirit
- 40,5 mm x 76 mm x 38 mm
- Actuator heads can be repositioned by 4 x 90°
- Ex-certified screwed cable gland
- Mounting details to EN 50041
- 1 Cable entry M 20 x 1.5
- Ex certified

Data

Ordering data

EAN (European Article Number)	4030661448756
eCl@ss number, Version 9.0	27-27-26-01
eCl@ss number, Version 11.0	27-27-26-01
ETIM number, version 6.0	EC000030
ETIM number, version 7.0	EC000030

Approval - Standards

Certificates	cULus
	CCC
	CCC EX
	DEKRA
	DEKRA EX

Explosion protection

Explosion protection: regulations	EN 60079-0 EN 60079-1 EN 60079-31 EN 60079-7 EN 60947-5-1
Explosion protection zones	1 21
Explosion protection category	2D 2G
Explosion protection designation	Ex II 2G Ex d e IIC T6 Gb Ex II 2D Ex tb IIIC T80°C Db

General data

Standards	BG-GS-ET-15
Housing construction form	Norm construction design
Actuator type to DIN EN 50041	B
Enclosure material	Zinc die-cast
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	320 g

General data - Features

Safety functions	Yes
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

Mechanical data

Actuating element	Plunger
Mechanical life, minimum	1,000,000 Operations
Impact energy, maximum	7 J
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 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 cross-section of the cable glands, minimum	7 mm
Cable cross-section of the cable glands, maximum	12 mm
Cable section, minimum	1 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	103.5 mm

Ambient conditions

Degree of protection	IP65
Ambient temperature, minimum	-20 °C

Ambient temperature, maximum (Cable section 1mm ²)	+50 °C
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Ambient temperature, maximum (Cable section 2.5mm ²)	+55 °C
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Ambient conditions - Insulation value

Rated insulation voltage U_i	250 V
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Rated impulse withstand voltage U_{imp}	4 kV
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Electrical data

Thermal test current	5 A
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Switching element	NO contact, NC contact
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Switching principle	Slow action with overlapping contacts
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Switching frequency	1,800 /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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