



EX-TS 335-11Z-3G/D

- Explosion protection for ATEX Zones 2 and 22
- 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

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
--------------	-------

Explosion protection

Explosion protection: regulations	BG-GS-ET-15 EN 60079-0 EN 60079-15 EN 60079-31 EN 60947-5-1
-----------------------------------	---

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

General data

Housing construction form	Norm construction design
Actuator type to DIN EN 50041	B
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Gross weight	256 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	30,000,000 Operations
Impact energy, maximum	4 J
Actuating force, minimum	17 N
Actuating speed, maximum	0.5 m/s
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	103.5 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
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	Slow action
Bounce duration, maximum	2 ms
Switching frequency	5,000 /h

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

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.

Generated on: 11/9/2021, 9:59 AM