



- Connection of standard antennas in Zones 1, 2, 21 and 22 (in conjunction with 9730/26-11)
- Quick and easy installation
- Suitable for extreme industrial environments – IP66 degree of protection, temperature range -60 to +150 °C

A5

WebCode **9731A**



The 9731 series coaxial bushing perfectly complements our HF isolator (9730/26-11), as it enables standard antennas to be connected in Zone 1, 2, 21 and 22 hazardous areas with its standard type N plug connector. It can be installed quickly and easily, is compact and robust, and can also be used for offshore applications.

	IECEX / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

	NEC 500 CEC Appendix J					
	Class I		Class II		Class III	
Division	1	2	1	2	1	2
Installation in	•		•			

Selection Table						
Product Description		Coax bushing				
Frequency	Internal plug connector	External plug connector	Thread size	Product Type	Art. No.	Weight kg
150 MHz to 8 GHz	SMA female	N-type socket	M20	9731/110-1	249456 ■	0.400


Technical Data	
<b>Explosion Protection</b>	
IECEX gas explosion protection	Ex d IIC Gb
IECEX dust explosion protection	Ex tb IIIC Db
IECEX firedamp protection	Ex d I Mb
ATEX gas explosion protection	⊕ II 2 G Ex d IIC Gb
ATEX dust explosion protection	⊕ II 2 D Ex tb IIIC Db
ATEX firedamp protection	⊕ I M2 Ex d I Mb
Certificates	ATEX (TRC), Canada / USA (MET), IECEX (TRC)
<b>Electrical Data</b>	
Insertion loss	<b>Frequency band Universal</b> <b>Frequency</b> 150 MHz 0.1 dB 450 MHz 0.22 dB 900 MHz 0.25 dB 2.4 GHz 0.5 dB 5 GHz 0.8 dB
<b>Ambient Conditions</b>	
Ambient temperature	-60 °C ... +150 °C
Storage temperature	-60 °C ... +150 °C
Maximum relative humidity	0 to 95%, non-condensing
<b>Mechanical Data</b>	
Degree of protection (IP)	IP65

### Technical Data

#### Mechanical Data

Material: Stainless steel

### Accessories

Figure	Description	Art. No.	Weight kg
	Converts a standard wireless signal into an intrinsically safe signal. Frequency range; 150 MHz to 8 GHz	256497 ■	0.100

### Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

