

9731/110-1 Art. No. 249456



- 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

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.

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX TRC 15.0001X
IECEX gas explosion protection	Ex d IIC Gb
IECEX dust certificate	IECEX TRC 15.0001X
IECEX dust explosion protection	Ex tb IIIC Db
IECEX firedamp certificate	IECEX TRC 15.0001X
IECEX firedamp protection	Ex d I Mb
ATEX gas certificate	TRAC 15 ATEX 0001 X
ATEX gas explosion protection	Ex II 2 G Ex d IIC Gb
ATEX dust certificate	TRAC 15 ATEX 0001 X
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC Db
ATEX firedamp certificate	TRAC 15 ATEX 0001 X
ATEX firedamp protection	Ex I M2 Ex d I Mb
ATEX firedamp protection 2	Ex I M2 Ex I Mb
cMETus certificate	E114097
Marking cMETus	Class I, II, III, Div. 1, Groups A, B, C, D, E, F;
Certificates	ATEX (TRC), Canada / USA (MET), IECEX (TRC)

Electrical Data

Frequency	150 MHz to 8 GHz
Frequency band	Universal
Insertion loss	2.4 GHz/0.8 dB 900 Mhz/0.25 dB 5 GHz/0.8 dB

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Electrical Data

Insertion loss	Frequency band Universal Frequency 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
Internal plug connector	SMA female
External plug connector	N-type socket

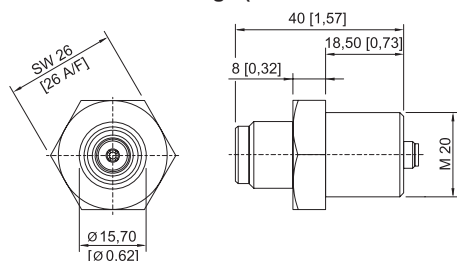
Ambient Conditions

Ambient temperature	-60 °C ... +150 °C
Ambient temperature	-76 °F ... +302 °F
Storage temperature	-60 °C ... +150 °C
Storage temperature	-76 °F ... +302 °F
Maximum relative humidity	0 to 95%, non-condensing

Mechanical Data

Degree of protection (IP)	IP65
Material	Stainless steel
Thread size	M20
Weight	0.4 kg
Weight	0.88 lb

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



Accessories

HFisolator



Converts a standard wireless signal into an intrinsically safe signal.
 Frequency range; 150 MHz to 8 GHz

Art. No.

256497

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.