

9731/110-1 Art. No. 249456



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

**MY R. STAHL 9731A**



The Series 9731 coaxial cable bushing perfectly complements our HFisolator (9730/26-11), as it enables standard antennas to be connected in hazardous areas of Zones 1, 2, 21 and 22 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
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 ... 8 GHz
Frequency band	Universal
Insertion loss	2.4 GHz/0.8 dB 900 Mhz/0.25 dB 5 GHz/0.8 dB

9731/110-1 Art. No. 249456

**Electrical Data**

Insertion loss	<b>Frequency band</b> Universal <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
Internal plug connector	SMA female
External plug connector	N-type socket

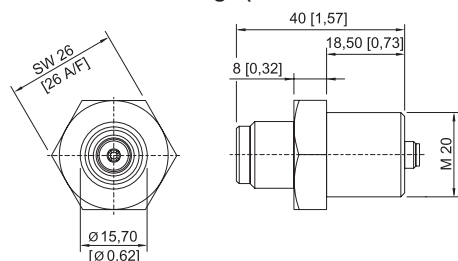
**Ambient Conditions**

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)	IP66
Material	Stainless steel
Thread size	M20
Weight	400 g
Weight	0.88 lb

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



**Accessories**

**HFisolator**



Converts a standard radio 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.