

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<br>900 Mhz/0.25 dB<br>5 GHz/0.8 dB  |

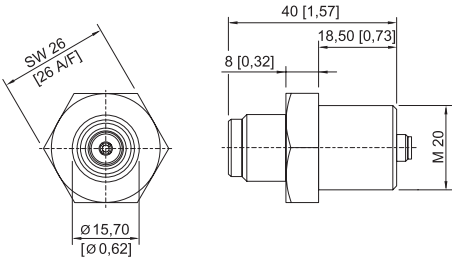
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|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Electrical Data</b>  |                                                                                                                                               |
| Insertion loss          | <b>Frequency band</b> Universal<br><b>Frequency</b><br>150 MHz 0.1 dB<br>450 MHz 0.22 dB<br>900 MHz 0.25 dB<br>2.4 GHz 0.5 dB<br>5 GHz 0.8 dB |
| Internal plug connector | SMA female                                                                                                                                    |
| External plug connector | N-type socket                                                                                                                                 |

|                           |                          |
|---------------------------|--------------------------|
| <b>Ambient Conditions</b> |                          |
| 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 |

|                           |                 |
|---------------------------|-----------------|
| <b>Mechanical Data</b>    |                 |
| 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

|                                                                                                          |  |                 |
|----------------------------------------------------------------------------------------------------------|--|-----------------|
| <b>HFisolator</b>                                                                                        |  | <b>Art. No.</b> |
|                        |  | 256497          |
| Converts a standard radio signal into an intrinsically safe signal.<br>Frequency range: 150 MHz to 8 GHz |  |                 |

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.