



- Allows you to use 9790 series antennas or intrinsically safe rated antennas and standard coaxial plug connectors in hazardous areas
- Flexible, can be used in a very wide temperature range
- Enables project-specific wireless solutions

## MY R. STAHL 9730A



The 9730 series HFisolator converts standard radio signals into intrinsically safe radio signals so that 9790 series antennas or intrinsically safe rated antennas and coaxial plug connectors can be used in hazardous areas. This allows for the development of project-specific solutions with explosion proof housing for radio devices, which differ only slightly from standard industrial solutions in terms of the way they are used.

	NEC® 500 CE Code Appendix J						CE Code Section 18 NEC® 505   NEC® 506						IECEX / ATEX											
	Class I		Class II		Class III		Class I			Class I														
Division	1	2	1	2	1	2	Zone			0	1	2	20	21	22	Zone			0	1	2	20	21	22
Ex interface	•		•				Ex interface									Ex interface			•	•	•	•	•	•
Installation in	•		•				Installation in									Installation in				•	•		•	•

Selection Table			
Frequency	500 MHz to 6 GHz		
Thread size	Product Type		Art. No. Weight
NPT3/4	9730/47-25		258160 400 g

Technical Data	
Explosion Protection	
cULus certificate	E358609
Marking cULus	Class I, Div. 1, Groups A,B,C,D; Class II, Groups F,G;
IECEX gas explosion protection	Ex db mb [Ia Ga] IIA/IIB/IIC T5/T6 Gb
IECEX dust explosion protection	Ex mb tb [Ia Da] IIIC T100 °C / T80 °C Db
IECEX firedamp protection	Ex db mb [Ia Ma] I Mb
Certificates	ATEX (EXA), Canada / USA (UL), IECEX (EXA)
Electrical Data	
Insertion loss	Typical Frequency band Universal Frequency 500 MHz 1.3 dB 1.4 GHz 0.6 dB 1.7 GHz 0.6 dB 2.5 GHz 0.6 dB 3.9 GHz 1.2 dB 4.9 GHz 1.2 dB 5.4 GHz 0.8 dB 6 GHz 2 dB
Internal plug connector	RP-SMA plug

### Technical Data

#### Electrical Data

External plug connector N-type socket

#### Ambient Conditions

Ambient temperature °F -40 °F ... +185 °F

Ambient temperature °C -40 °C ... +85 °C

Storage temperature °F -40 °F ... +185 °F

Storage temperature °C -40 °C ... +85 °C

#### Mechanical Data

Degree of protection (IP) IP65

Material Stainless steel

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

