

- Makes it possible to use Series 9790 antennas or antennas classed as intrinsically safe, and standard coaxial plug connectors in hazardous areas
- Flexible, can be used in a very wide temperature range
- Makes project-specific wireless solutions possible

MY R. STAHL 9730B




The Series 9730 HFisolator converts standard radio signals into intrinsically safe radio signals so that Series 9790 antennas or antennas classed as intrinsically safe can be used in hazardous areas. This allows for the development of project-specific solutions with Ex d encapsulation of radio devices, which differ only slightly from standard industrial solutions in terms of the way they are used.

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

Selection Table				
Product Description	HFisolator			
Frequency	Product Type	Art. No.	Weight	
150 MHz to 8 GHz	9730/26-11	256497	100 g	

Technical Data	
Explosion Protection	
IECEX gas explosion protection	Ex nA [Ex ia Ga] IIC T6 Gc
IECEX dust explosion protection	Ex ic [Ex ia Da] IIIC T85 °C Dc
IECEX firedamp protection	[Ex ia Ma] I
ATEX gas explosion protection	⊕ II 3 (1) G Ex nA [Ex ia Ga] IIC T6 Gc
ATEX dust explosion protection	⊕ II 3 (1) D Ex ic [Ex ia Da] IIIC T85 °C Dc
ATEX firedamp protection	⊕ I (M1) [Ex ia Ma] I
Certificates	ATEX (EMT), IECEX (EMT)
Declaration of Conformity	ATEX (EUK)
Electrical Data	
Insertion loss	(at an ambient temperature of 20 °C)
	Frequency band
	150 MHz to 1 GHz 0.3 dB
	1 GHz to 3.5 GHz 0.46 dB
	3.5 GHz to 6 GHz 1.09 dB
	6 GHz to 8 GHz 1.41 dB
	Frequency
	400 MHz 0.12 dB
	900 MHz 0.16 dB
	2.45 GHz 0.48 dB
	5.5 GHz 1.28 dB

Technical Data	
Ambient Conditions	
Ambient temperature	-40 °C ... +80 °C
Storage temperature	-40 °C ... +80 °C
Maximum relative humidity	< 95%
Mechanical Data	
Degree of protection (IP)	IP40
Material	Anodized aluminium
Mounting / Installation	
Connection type	SMA female

Accessories			
Figure	Description	Art. No.	Weight
Coaxial cable bushing			
	Thread: M20 Plug connector Internal: SMA female External: N-type socket Ambient temperature: -60 °C ... +150 °C Degree of protection (IP): IP66	249456	400 g

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

