



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

WebCode 9730A



The 9730 series HFisolator converts standard radio signals into intrinsically safe radio signals so that standard industrial 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.

### Technical Data

#### Explosion Protection

Application range (zones)	1 2 21 22
Ex interface zone	0 1 2 20 21 22
IECEX gas certificate	IECEX MSC 19.0001X
IECEX gas explosion protection	Ex db mb [ja Ga] IIA/IIB/IIC T6...T5 Gb
IECEX dust certificate	IECEX MSC 19.0001X
IECEX dust explosion protection	Ex mb tb [ja Da] IIIC T80°C / T100 °C Db
IECEX firedamp certificate	IECEX MSC 19.0001X
IECEX firedamp protection	Ex db mb [ja Ma] I Mb
ATEX gas certificate	TÜV CY 18 ATEX 0206158 X
ATEX gas explosion protection	Ex II 2 (1) G Ex db mb [ja Ga] IIA/IIB/IIC T6...T5 Gb
ATEX dust certificate	TÜV CY 18 ATEX 0206158 X
ATEX dust explosion protection	Ex II 2 (1) D Ex mb tb [ja Da] IIIC T80°C / T100 °C Db
ATEX firedamp certificate	TÜV CY 18 ATEX 0206158 X
ATEX firedamp protection	Ex I M2 (M1) Ex db mb [ja Ma] I Mb
ATEX firedamp protection 2	Ex I M2 (M1) Ex I Mb
Certificates	ATEX (TUV CY), Canada / USA (QPS), IECEX (TUN)

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Maximum input power	IIC	2 W
	IIB	3,5 W
	IIA	6 W
	I, III	6 W

### Electrical Data

Frequency	500 MHz to 6 GHz
Frequency band	Universal
Insertion loss	typical <b>Frequency band Universal</b> <b>Frequency</b> 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
Internal plug connector note	External thread, with pin
External plug connector	N-type socket

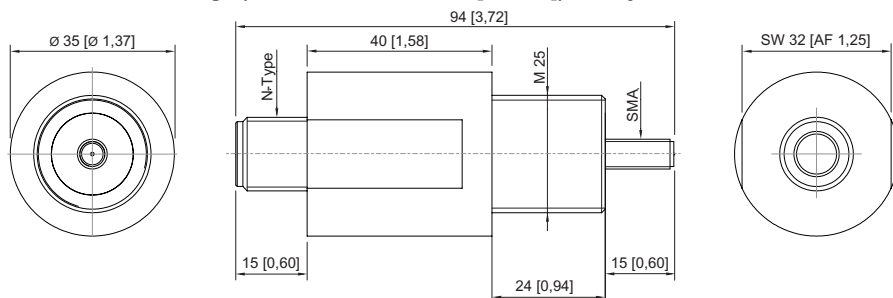
### Ambient Conditions

Ambient temperature	-40 °C ... +65 °C
Ambient temperature	-40 °F ... +149 °F
Storage temperature	-40 °C ... +85 °C
Storage temperature	-40 °F ... +185 °F

### Mechanical Data

Degree of protection (IP)	IP65
Material	Stainless steel
Width	35 mm
Height	94 mm
Thread size	M25
Weight	0.4 kg
Weight	0.88 lb

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



Type 9730/37-25

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.