

9790/1-2458-NTF-53 Art. No. 292909



- Robust design suitable for industrial applications ensures a long service life
- Variants for all common radio applications
- Classed as simple apparatus for use with the HFisolator

MY R. STAHL 9790A

The Series 9790 antennas make it possible to use radio technologies in hazardous areas in conjunction with the 9730 HFisolator.

As the antennas are classed as simple apparatus, they can be used without the need for further testing. The robust design, paired with a wide temperature range, ensures a service life lasting many years.

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
Verification	Simple apparatus
Gas explosion protection	Ex ib IIC T6 Gb
Dust explosion protection	Ex ib IIIC T80 °C Db

Electrical Data

Emission	Omnidirectional
Polarisation	Vertical
Frequency range 1	2.4 – 2.485 GHz
Frequency range 2	5.15 – 5.875 GHz
Impedance	50 Ω
Gain	Gain 1: 4.7 dBi @ 2.4 GHz Gain 2: 3.4 dBi @ 5 GHz
VSWR	VSWR 1: 1.7 : 1 @ 2.4 GHz VSWR 2: 2 :1 @ 5 GHz

Ambient Conditions

Ambient temperature	-40 °C ... +80 °C
Ambient temperature	-40 °F ... +176 °F
Storage temperature	-40 °C ... +80 °C
Storage temperature	-40 °F ... +176 °F

Mechanical Data

Degree of protection (IP)	IP65
Enclosure material	ABS, UV-resistant
Material	Nickel-plated brass
Length	232 mm

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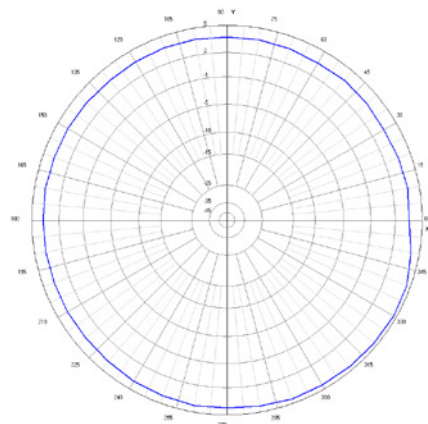
Mechanical Data

Length, inches	9.05 in
Diameter	24 mm
Diameter inch	0.93 in
Weight	110 g
Weight	0.24 lb

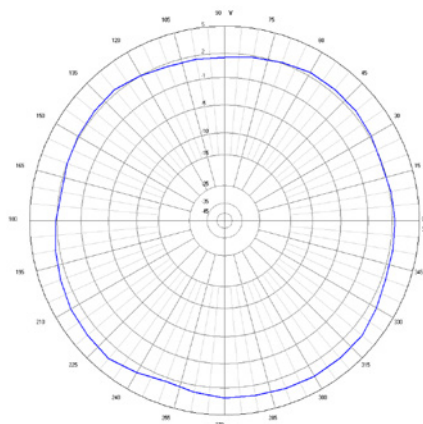
Mounting / Installation

Connection type	N-type socket (female)
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Technical Drawings – Subject to Alterations

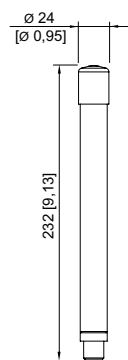


Radiation characteristics for 2.4 GHz
Type 9790/1-2458-NT.-53



Radiation characteristics for 5.8 GHz
Type 9790/1-2458-NT.-53

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



Antenna type 9790/1-2458-NTF-53

Accessories

Installation kit



Installation kit for the antenna

Art. No.

207408

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.