

EXPLOSION PROOF RF JUNCTION BOX



Solexy's Explosion proof RF junction boxes are specifically designed to allow a radio frequency coax cable junction/extension in hazardous location. There are many installations in Radio Frequency where you are going from a non-rated area to a hazardous area. With the Solexy HWA and HWS series RF Junction boxes there is now a solution to this type of installation.

With our RX series Antenna connection and the HWA/HWS series junction box an hazardous area field connection can now be made.

Utilizing the RX antenna coupler the antenna is not required to be Haz Loc or Ex rated.

This simple solution is available with many options with coax connections and Antennas or as a cable connection to an antenna mounted on a mast.

Solexy's Explosion proof RF junction boxes are available in two configurations, the HWA series is a more cost effective option that is manufactured from corrosion resistant low copper aluminum. The HWA series is powder coated to prevent corrosion in harsher outdoor environments. The HWS series is manufactured in 316 Series Stainless Steel (CF8M).

This box is built for the toughest environments when nothing else but Stainless will do.

FEATURES

- ✓ **HEAVY DUTY CONSTRUCTION**
Explosion proof ATEX, IECEx and North America certified enclosure made in aluminum (HWA series) or stainless steel (HWS series)
- ✓ **WEATHER PROOF**
IP66 / IP68
- ✓ **CABLE ENTRIES**
M25x1,5 or 3/4" npt-f
- ✓ **TEMPERATURE RANGE**
-40°C to +80°C




AVAILABLE ACCESSORIES

MOUNTING BRACKET: KM-01: mounting kit for 2" pipe
(see dedicated data sheet) KM-02: universal mounting kit

APPROVALS

ENCLOSURE

Atex and IECEx certified

 II 2G Ex db IIC T6-T5-T4 Gb
II 2D Ex tb IIIC T110°C / T110°C / T140°C
I M2 Ex d I Mb (HWS only)

Atex certificate nr. EXA 14 ATEX 0042 and IECEx certificate nr. IECEx EXA 14.0001


USA & CANADA CERTIFIED

Class I, Division 1, Groups B, C and D T4
Class II, Division 1, Groups E, F and G T4
Class I, Zone 1, Groups IIB+H2 [For U.S. only]
Zone 21, Groups IIIC [For U.S. only]

cQPSus File LR1504-1

ANTENNA BARRIER

Atex and IECEx certified

 I M2 (M1) Ex db mb [ia Ma] I Mb
II 2 (1) G Ex db mb [ia Ga] IIA/IIB/IIC T5/T6 Gb
II 2 (1) D Ex mb tb [ia Da] IIIC T100°C/T80°C Db

Atex certificate nr. EXA 15 ATEX 0042 and IECEx certificate nr. IECEx EXA 15.0005

USA & CANADA CERTIFIED

Class I, Zone 1, AEx db mb [ia Ga] IIA/IIB/IIC/ T6...T5 Gb
Zone 21, AEx mb tb [ia Da] IIIC T80°C...T100°C Db
Ex db mb [ia Ga] IIA/IIB/IIC T6...T5 Gb
Ex mb tb [ia Da] IIIC T80°C...T100°C Db
Class I, Division 1, Groups ABCD
Class II, Division 1, Groups EFG
[Ex ia Ga] IIC
[Ex ia Da] IIIC

cQPSus File LR1504-3

NOMENCLATURE

HWA	001	00 - 42	0	X0
a	b	c		d

a - Enclosure

HWA Aluminum polyester powder coated
HWS Stainless steel AISI 316 (CF8M) electropolish

b - Connector

001 RP-SMA Male
002 RP-SMA Female
003 SMA Male
004 SMA Female
007 N Male
008 N Female
009 TNC Male
010 TNC Female
011 BNC Male
012 BNC Female

c - Cable entries

42 n° 4 3/4" npt-f (one used for antenna coupler)
44 n° 4 M25x1.5 (one used for antenna coupler)

d - Approvals

X0 Atex/IECEx Gas and Dust certified (HWA only) ⁽¹⁾
M0 Atex/IECEx Gas, Dust and mining certified (HWS only) ⁽¹⁾
N0 QPS CL1 DIV1 and North American Zones listed
XN QPS CL1 DIV1 and North American Zones listed +
Atex/IECEx Gas and Dust certified (HWA series only) ⁽¹⁾
MN QPS CL1 DIV1 and North American Zones listed +
Atex/IECEx Gas, Dust and Mining certified (HWS series only) ⁽¹⁾

Notes:
Antenna and Antenna coupler not included
Consult dimensional drawings for specific layout

⁽¹⁾ Zone 1, 2, 21 & 22