

Compression Fitting

ATEX EXD Instructions

The following instructions apply to equipment covered by certificate number Sira 08ATEX1242.

- The equipment is to be used with stainless steel sheathed mineral insulated cables as specified below.
- The equipment may be used in conductive dust explosive atmospheres.
- The equipment is only certified for use in a temperatures range at the point of mounting between -20°C to +80°C and should not be used outside this range.
- Installation shall be carried out by suitably-trained personnel in accordance with the applicable code of practice e.g. EN 60079-14:1997/EN61241-14
 - Thread gland body into the appropriate size and type of tapped entry on the associated enclosure, thread size and type, as marked on the product. See the C.O.P. for any necessary interface sealing that may be required.
 - Pass the tubing nut then the olive sealing ring over the cable sheath.
 - Tighten the tubing nut to the following tightening torque. Ensuring that there is sufficient cable length passing into the enclosure to reach any termination points.

Cable Ø	3.0mm ± 0.03mm	4.5mm ± 0.045mm	6.0mm ± 0.06mm
Sheath Thickness	Minimum 0.3mm	Minimum 0.45mm	Minimum 0.6mm
Installation Torque	22 Nm	22.7 Nm	23 Nm

- Inspection and maintenance of this equipment shall be carried out by suitably trained personnel in accordance with the applicable code of practice e.g. EN 60079-17/EN61241-17
- The equipment is not repairable or indeed has replacement component parts. If any damage is observed the cable gland must be replaced in full.
- The certification of this equipment relies upon the following materials used in its construction: 316 stainless steel.

If the equipment is likely to come into contact with aggressive substances, then it is the responsibility of the user to take suitable precautions that prevent it from being adversely affected, thus ensuring that the type of protection provided by the equipment is not compromised.

Aggressive Substances	e.g. Acidic liquids or gases that may attack the metals.
Suitable Precautions	e.g. Regular checks as part of routine inspections or establishing from the material's data sheets that it is resistant to specific chemicals.

- The cable glands are marked as follows:

Product Marking: H&B Sensors, PO22 9RH, Type No. e.g. 5 Size M20, Sira 08ATEX1242

Product Packaging: H&B Sensors Ltd | Odyssey House | Durban Road | Bognor Regis | West Sussex | PO22 9RH | UK

 II 2GD
Ex db IIC & Ex tb IIIC

 0518 | Manufactured: YEAR SIRA 08ATEX1242

- The standards used for compliance are:

EN 60079-0:2006	Explosive apparatus for explosive gas atmospheres – General requirements.
EN 60079-1:2007	Explosive atmospheres – Equipment protection by flameproof enclosure “d”
EN 61241-0:2006	Electrical apparatus for use in combustible dust atmospheres – General requirements.
EN 61241-1:2006	Electrical apparatus for use in combustible dust atmospheres – Protection by enclosure “tD”

Note: Product marking in accordance with IEC 60079-1:2007

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EC Declaration of Conformity

H&B Order #:

Customer Order #:

In accordance with EC Directive 94/9/EC:

H&B Sensors Ltd
Odyssey House
Durban Road
Bognor Regis
West Sussex
PO22 9RH
UNITED KINGDOM

Declare the following product:

Stainless Steel ATEX Exd Cable Gland...

has been certified by H&B Sensors Ltd to the relevant EC Directive 94/9/EC. ATEX Directive Code II 2 GD.

H&B Sensors Ltd have been quality assessed and certified by Sira 0518 Quality Assurance Notification Sira 00ATEXM050 and issued with EC Type Examination Certificate Sira 00ATEX1029 against the following European Standards:

- EN 60079-0:2006
- EN 60079-1:2007
- IEC 60079-0:2007-10, Ed 5 (With regards to marking only)
- EN 61241-0:2006
- EN 61241-1:2006

Product Marking H&B Sensors PO22 9RH, Type Number, Thread Size, Sira 08ATEX1242

To ensure the equipment meets the requirement of all the above, the product must be installed in accordance with the supplied Instructions.

A copy of certificate Sira 08ATEX1242 is available on request or can be downloaded from our website: www.hbsensors.com

Signed for on behalf of H&B Sensors Ltd:

Name

Position

Signature

Date