

Assembly Instructions for Insulated Adaptor: 478 (GRP I, II & III) 478LT (GRP II & III)

HAWKE International

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478 - Operating temperature range -55°C +95°C
478LT - Operating temperature range -60°C +95°C

Materials:

Group I Applications: Brass, Nickel Plated Brass, Stainless Steel and Nylon

Group II Applications: Brass, Nickel Plated Brass, Stainless Steel, Aluminium and Nylon

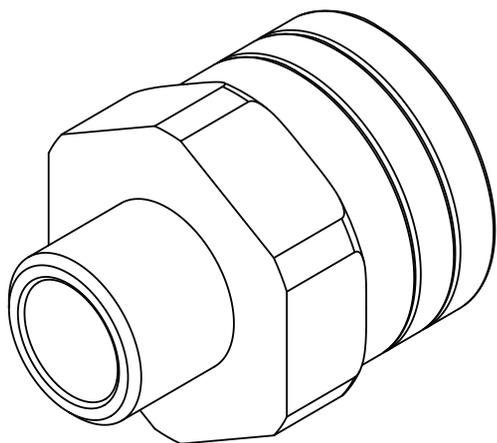


Fig. 1 - Type 478 / 478LT Insulated Adaptors

Note: Only one Insulated Adaptor shall be used with any enclosure entry.

STEP 1 (PRIOR TO INSTALLATION)

- Ensure the male thread type and size of the Insulated Adaptor is compatible with the enclosure thread.
- Where ingress protection above IP54 is required in threaded entries, the use of a suitable non-setting thread sealant or sealing washer is recommended.
- Care should be taken to ensure that any electrical continuity is not affected.

STEP 2:

Fully tighten Insulated Adaptor into the enclosure using a wrench / spanner.

FOR FLAMEPROOF APPLICATIONS:

- With parallel threads, the minimum number of threads engaged must be 5 with an axial engagement of 8mm.
- With taper threaded Adaptors and Reducers the number of threads engaged may be less than 5, but must be greater than 3.5 effective threads engagement.

Certification Details

Insulated Adaptor Type: 478 (GRP I, II & III)
Exdb I Mb, Exeb I Mb, Exdb IIC Gb, Exeb IIC Gb, Extb IIIC Db
Baseefa No: 12ATEX0207X (Ex) IM2 / II 2 GD IP66 C C
IECEX No: BAS12.0111X
IEEx 15.0193X
EAC (Ex) TC RU C-GB.AA87.B.00430
c CSA us No: 1731876
Class I Zone 1 AExd IIC Gb, AExe IIC Gb, Zone 21 AExtb IIIC Db

Insulated Adaptor Type: 478LT (GRP II & III)
Exdb IIC Gb, Exeb IIC Gb, Extb IIIC Db
Baseefa No: 12ATEX0207X (Ex) II 2 GD IP66 C C
IECEX No: BAS12.0111X
IEEx 15.0193X
EAC (Ex) TC RU C-GB.AA87.B.00430
c CSA us No: 1731876
Class I Zone 1 AExd IIC Gb, AExe IIC Gb, Zone 21 AExtb IIIC Db

SPECIAL CONDITIONS FOR SAFE USE:

1. When the Insulated Adaptors are used for Flameproof, Increased Safety or Dust Protection, the entry of the enclosure and the female threads of the Insulated Adaptor are to be suitably sealed (in accordance with IEC 60079-14) to maintain the Ingress Protection rating of the associated enclosure.
2. When the Insulated Adaptors are used for Increased Safety or Dust Protection in a plain hole, the hole in the enclosure must be no greater than 0.7mm bigger than the male thread and the Insulated Adaptor must be secured with a locknut, the female threads of the Adaptor or Reducer are to be suitably sealed (in accordance with IEC 60079-14) to maintain the Ingress Protection rating of the associated enclosure.
3. The Insulated Adaptors, when used in flameproof applications, must not be closed with a flameproof stopping plug.
4. The Size A, B & C 478 Insulated Adaptor is limited in use in Group I Applications to low impact installations.
5. The Aluminium variants of the 478 Insulated Adaptor is to be marked for Group II use only.

EU Declaration of Conformity in accordance with European Directive 2014/34/EU

Manufacturer: Hawke International

Address: Oxford Street West, Ashton-under-Lyne, OL7 0NA, United Kingdom

Equipment Type: 478 (Group I & II) and 478LT (Group II) Insulated Adaptors

Provisions of the Directive fulfilled by the Equipment:

Group I Category I M2 Exeb I Mb, Exdb I Mb
Group II Category 2GD Exeb IIC Gb, Exdb IIC Gb, Extb IIIC Db – IP66

Notified Body for EU-Type Examination: SGS - Baseefa 1180 Buxton UK

EU-type Examination Certificate: Baseefa 12ATEX0207X

Notified Body for production: SGS - Baseefa 1180 Buxton UK

Harmonised Standards used:

EN 60079-0:2012+A11:2013, EN60079-1:2007, EN60079-7:2007, EN60079-31:2009.

On behalf of the above named company, I declare that, on the date the equipment accompanied by this declaration is placed on the market, the equipment conforms with all technical and regulatory requirements of the above listed directives.

A. Tindall
Technical Manager

Connection Solutions

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