

CERTIFICATE

EU-Type Examination

- (1) **Component intended for use on/in equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**
- (2) EU-Type Examination Certificate Number: **DEKRA 23ATEX0040 U** Issue Number: **0**
- (3) Product: **Connection Head, Types 76 and 79**
- (4) Manufacturer: **Pyromation LLC**
- (5) Address: **5211 Industrial Road, Fort Wayne IN 46825 USA**
- (6) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (7) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential test report number NL/DEK/ExTR23.0032/00.
- (8) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN IEC 60079-0 : 2018** **EN 60079-1 : 2014** **EN 60079-31 : 2014**
- except in respect of those requirements listed at item 18 of the Schedule.
- (9) The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (10) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (11) The marking of the product shall include the following:



II 2 G Ex db IIC Gb
II 2 D Ex tb IIIC Db

Date of certification: 13 July 2023

DEKRA Certification B.V.

R. Schuller
Certification Manager



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(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 23ATEX0040 U**

Issue No. **0**

(15) **Description**

Connection Heads, Types 76 and 79, are empty enclosures intended for mounting of transmitters or terminals to be connected with a temperature sensor.

A Connection Head consist of a base and a cover, optionally coated with a non-conductive varnish.

Type 76 and 79 are made of aluminium and provided with a threaded windowed cover.

The Connection Heads are provided with one or two cable entry openings.

The Connection heads can be provided with or without an entry opening for a (temperature) sensor, indicated as "Connection Protection Tube assembly" in the type designation.

This entry opening is optionally provided with an adapter. The cylindrical joint of a temperature sensor with the Connection Head with integral flame path or with the adapter is treated as part of the flameproof enclosure of Connection Head Type 76 and 79.

The Connection Heads provide a degree of protection of at least IP66/IP68 (1.83 m / 24 h) per EN IEC 60079-0 and EN 60529.

For details about thermal data and the type designation see Annex 1 to Report No. NL/DEK/ExTR23.0032/00.

Installation instructions

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR23.0032/00.

(17) **Schedule of Limitations**

- The ambient temperature range shall be selected as shown in Annex 1.
- Connection Heads provided with a non-conductive varnish shall be marked and provided with instructions to minimize the risk from electrostatic discharge.
- The IP grade at the opening for the sensor in the base of the connection head or in the adapter shall be ensured by suitable means.

Type Ex d only:

- The flameproof joints are not intended to be repaired.
- The cover has 9 engaged threads but has been tested with 5 threads.
- The thread type and size of cable entry openings shall be identified by marking or by the installation instructions with a reference to the instructions on the marking.
- Oil-filled circuit-breakers and contactors shall not be used.
- The reference pressure for -50 °C is 693 kPa.
- The connection heads are tested with dummy contents that represent typical round transmitters and terminal blocks with a main diameter of max. 45 mm. The use of enclosed apparatus of another shape and a larger main diameter is not covered by this certificate.

(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 23ATEX0040 U**

Issue No. **0**

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR23.0032/00.

(20) **Certificate history**

Issue 0 - 227663300 initial certificate