



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

### Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX DEK 23.0035U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-07-13

Applicant: **Pyromation LLC**  
5211 Industrial Road  
Fort Wayne, IN 46825  
**United States of America**

Ex Component: Connection Head, Types 76 and 79

*This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).*

Type of Protection: **Ex db and Ex tb**

Marking: Ex db IIC Gb  
Ex tb IIIC Db

Approved for issue on behalf of the IECEx  
Certification Body:

**R. Schuller**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:  
(for printed version)

2023-07-13

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Certification B.V.**  
Meander 1051  
6825 MJ Arnhem  
Netherlands





# IECEX Certificate of Conformity

Certificate No.: **IECEX DEK 23.0035U**

Page 2 of 3

Date of issue: 2023-07-13

Issue No: 0

Manufacturer: **Pyromation LLC**  
5211 Industrial Road  
Fort Wayne, IN 46825  
**United States of America**

Manufacturing locations: **Pyromation LLC**  
5211 Industrial Road  
Fort Wayne, IN 46825  
**United States of America**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

#### STANDARDS :

The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/DEK/ExTR23.0032/00](#)

Quality Assessment Report:

[GB/SIR/QAR15.0011/06](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX DEK 23.0035U**

Page 3 of 3

Date of issue: 2023-07-13

Issue No: 0

## Ex Component(s) covered by this certificate is described below:

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.

## 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.

## Annex:

[227663300-Annex 1 to ExTR23.0032.00.pdf](#)