



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

Certificate No.: **IECEx PRE 17.0051** Page 1 of 4 [Certificate history:](#)
Issue 0 (2020-09-08)

Status: **Current** Issue No: 1

Date of Issue: 2021-03-12

Applicant: **Autronica Fire & Security AS**
Bromstadvegen 59
Trondheim 7047
Norway

Equipment: **PowerLoop Module**

Optional accessory:

Type of Protection: **eb mb**

Marking: Ex eb mb IIC Gb T4 -20°C ≤ Ta ≤ +70°C

Approved for issue on behalf of the IECEx
Certification Body:

Ståle Sandstad

Position:

Certification Manager

Signature:
(for printed version)

Date:

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 or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 3
Hovik 1363
Norway





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Manufacturer: **Autronica Fire & Security AS**
Bromstadvegen 59
Trondheim 7047
Norway

Additional
manufacturing
locations:

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 equipment 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 60079-18:2014 Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
Edition:4.0

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety “e”
Edition:5.0

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 equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NO/PRE/ExTR17.0044/01](#)

Quality Assessment Report:

[NO/NEM/QAR10.0005/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description of Equipment or Protective System

This certificate covers a PowerLoop interface designed for third party detectors connected to the Autosafe Interactive Fire Alarm System. Enclosure is provided with threaded holes M25 for entry devices. Certified cable Ex eb glands must be used. Unused holes must be closed with Ex eb certified blanking elements.

Type Designation

BN-342/EX

Electrical Data

Un = 30V, In = 83 mA

Ingress Protection Code

IP 66 according to EN 60529

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Minor changes due to two obsolete components.