



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx SEV 16.0012X Issue No: 0 Certificate history:  
Issue No. 0 (2016-12-20)

Status: Current Page 1 of 3

Date of Issue: 2016-12-20

Applicant: Pyroban Ltd.  
Endeavour Works  
Dolphin Road  
Shoreham-by-Sea  
West Sussex BN43 6QG  
United Kingdom

Equipment: CAT Ex SCS reciprocating engine safety control system Type ExSCS  
*Optional accessory:*

Type of Protection: Flameproof "d", Increased safety "e"

Marking: Ex db eb IIB T5 Gb

Approved for issue on behalf of the IECEx  
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:  
(for printed version)

Date:

2016-12-20

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Electrosuisse div. Testing and Certification  
Luppenstrasse 1  
CH-8320 FEHRALTORF  
Switzerland





# IECEX Certificate of Conformity

Certificate No: IECEX SEV 16.0012X

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Manufacturer: **Pyroban Ltd**  
Dolphin Road  
Shoreham-by-Sea  
West Sussex BN43 6QG  
United Kingdom

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate does not indicate compliance with electrical 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:

CH/SEV/ExTR16.0012/00

Quality Assessment Report:

GB/SIR/QAR06.0001/08



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Type ExSCS

CAT Ex SCS is a PLC based engine safety control system that can be configured for single or twin engine applications. The primary system provide an integrated base level of engine control system management and interrogation via the optional certified HMI panel. The system will monitor and activate a safe engine shutdown on engine overspeed, high exhaust gas and coolant temperatures, low oil pressure, flammable gas detection in the air inlet and manual emergency stop activation.

The system can be configured to monitor up to an additional 3 gas detection heads.

In addition the system can be configured to monitor an infrared fire & gas detection system and has a voltage free relay output signal for activation of 3rd party carbon dioxide fire deluge system.

In this configuration the system can monitor up to 4 infrared fire & gas detection heads.

Rating(s)

24 VDC / 84 W

Classification of installation and use: stationary

Ingress protection : IP66

Rated ambient temperature range (°C): -20 °C ... +55 °C

**CONDITIONS OF CERTIFICATION: YES as shown below:**

Cable gland ingress protection rating shall be selected based upon the ExSCS Control System application

