



(1) **EU-Type Examination Certificate**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**

(3) Certificate number: **SEV 16 ATEX 0157 X**

(4) Product: CAT Ex SCS reciprocating engine safety control system  
Type ExSCS

(5) Manufacturer: Pyroban Ltd., Endeavour Works

(6) Address: Dolphin Road, Shoreham-by-Sea, West Sussex BN43 6QG  
UNITED KINGDOM

(7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Electrosuisse SEV, notified body No. 1258, 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 report no 16-Ex-0096.01

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN 60079-0:12 + A11:13      EN 60079-1:14      EN 60079-7:15**

Except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate.

(11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the product shall include the following:

 **II 2G Ex db eb IIB T5 Gb**

**Electrosuisse**  
**Notified Body ATEX**

Martin Plüss  
Product Certification



(13)

## Appendix

(14)

### EU-Type Examination Certificate

(15) **Description of product**

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

(16) **Report number** 16-Ex-0096.01

(17) **Specific conditions of use**

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

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

| Clause | Subject |
|--------|---------|
| None   |         |

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"