1   EU - Type Examination Certificate

2   Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3   Certificate Number: ExVeritas 22ATEX1253X   Issue: 0

4   Equipment: Flameproof Populated Enclosure Type C0502

5   Manufacturer: Pyroban Ltd

6   Address: 23 Dolphin Road, Shoreham-by-Sea, West Sussex, BN43 6PB, UK.

7   This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8   ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

9   Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN IEC 60079-0: 2018   EN 60079-1: 2014   EN 60079-11: 2012

10   If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11   This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12   The marking of the equipment shall include the following:

⟨Ex⟩ II 2 G   Ex IIB T6 Gb

Ex db [ib] IIB T6 Gb T_{amb} -20°C to +45*/55°C (max)

*When fitted with IS barriers

On behalf of ExVeritas

Peter Lauritzen
Managing Director

DANAK
PROD Reg.No. 7044
Member of EA MLA

FO-CB-DK-37-1 V2

Schedule

13   Description of Equipment or Protective System

The Type C0502 (Ex d) Enclosure is designed to conform to the requirements of EN60079-0 and -1. It is made from cast aluminium and comprises a main enclosure closed by a bolted-on lid. Threaded apertures for the fitting of suitably certified and dimensioned cable entries are provided. The enclosure contains a variety of electrical control components that may be used for either mobile vehicle or stationary engine applications. The flameproof joints and electrical specifications are detailed on drawing C0502. The equipment can also be populated with certified Intrinsic Safe Barriers to give optional 'ib' outputs.

Rating:	U_i = 264VAC, $P_{out\ load}$ ≤120W
Classification of installation and use	stationary
Ingress Protection	IP66 max
Rated ambient temperature range	-20°C ≤ Ta ≤ +45/55°C max

14   Descriptive Documents

14.1   Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3940/A/1	19 Aug 2022	0	Initial issue of the Prime Certificate

14.2   Compliance Drawings:

Title:	Drawing No:	Sheets:	Rev. Level:	Date:
C0502 Enclosure Zone 1 Label Marking & Certificate Details	C0502	3 of 3	9	19/07/2022

15   Conditions of Certification

15.1   Special Conditions for Safe Use

- Flame paths are not intended for modification or repair

15.2   Conditions for Use (Routine tests)

- Refer to schedule drawings

16   Essential Health and Safety Requirements

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform the Notified Body of any modifications to the design of the product described by this schedule.

Certificate: ExVeritas 22ATEX1253X   Issue 0

FO-CB-DK-37-1 V1