



(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 17 ATEX 0116**

(4) Product: Flameproof populated enclosure
Type C0502

(5) Manufacturer: Pyroban Ltd.

(6) Address: Safe Handling Division, Endeavour Works, Dolphin Road,
Shoreham-by-Sea, West Sussex BN43 6QG, UK

(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 17-Ex-0038.01

(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

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 [ib] IIB T6 Gb for Variation : 4**
II 2G Ex db IIB T6 Gb for Variation : 5

Electrosuisse
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 17 ATEX 0116

(15) **Description of product**

The C0502 flameproof (Ex'd') enclosure , part number 300817598, is designed as a control housing. The cast aluminium enclosure is fitted with a bolt-on cover.

Threaded apertures for the fitting of suitably certified and dimensioned cable entries are provided.

Table 1 covers C0502 enclosure populations for offshore diesel engine and industrial vehicle applications.

The different variations of the enclosure are tabulated in the scheduled drawing C0502 by specific population part number for offshore applications. For industrial vehicle applications, an asterisk (*) replaces the population part number and the assembly will be identified by the enclosure part number and a unique production identifier. Drawing C0502 sheets 2 and 3 defines the population of the industrial vehicle enclosure in detail. The table also defines the input/output characteristics for each variation.

Assembly part No.	Enclosure part No.	Input			Output			Variation
		Voltage	Current	Rating	Voltage	Current	Rating	
*	300817598	12 V	500 A	-	12 V	500 A	-	4
300830552	300817598	24 V	500 A	-	-	-	-	5

Classification of installation and use : portable / stationary

Ingress protection: IP65

Rated ambient temperature range (°C): -20 °C...+45 °C for variation: 4

-20 °C...+55 °C for variation: 5

(16) **Report number** 17-Ex-0038.01

(17) **Specific conditions of use**

none

(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"