



# 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 17.0005 Issue No: 2 Certificate history:  
Issue No. 2 (2017-08-24)  
Status: Current Issue No. 1 (2017-07-25)  
Issue No. 0 (2017-07-25)  
Date of Issue: 2017-08-24 Page 1 of 4

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

Equipment: Flameproof populated enclosure  
Optional accessory:

Type of Protection: Flame proof Ex "d"

Marking: Ex db [ib] IIB T6 Gb for variation: 4  
Ex db IIB T6 Gb for variation: 5

Approved for issue on behalf of the IECEx  
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:  
(for printed version)

Date:

2017-08-24

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://Official IECEx Website).

Certificate issued by:

Eurofins Electrosuisse Product Testing AG  
Luppenstrasse 1  
CH-8320 FEHRALTORF  
Switzerland



Electrosuisse  
Product Testing



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Manufacturer: **Pyroban Ltd.**  
Endeavour Works  
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                      Explosive atmospheres - Part 0: General requirements  
Edition:6.0

IEC 60079-1 : 2014-06                Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

*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:

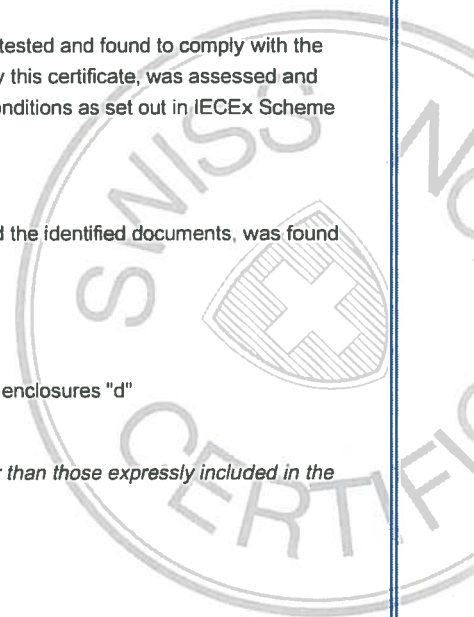
*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

##### Test Report:

CH/SEV/ExTR17.0005/00

##### Quality Assessment Report:

GB/SIR/QAR06.0001/08





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## Schedule

### EQUIPMENT:

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

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

SPECIFIC CONDITIONS OF USE: NO



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Correction of IP Rating to IP65 / Graphical changes

