



TYPE APPROVAL CERTIFICATE

N. ELE139017CS001



This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA type approval system.

Description	Enclosures
Type	GWR ** Series Empty enclosures
	GWR **, GWRCS**, GWRPS** Series Enclosures with terminals, control and signaling units and with plugs and sockets
Applicant	FEAM Srl Via M. Pagano, 3 20090 Trezzano sul Naviglio (MI) Italy
Manufacturer	FEAM Srl Via M. Pagano, 3 20090 Trezzano sul Naviglio (MI) Italy
Testing Standards	GWR** - Empty enclosures EN60079-0: 2012/A11:2013; EN 60079-7:2007; EN60079-31:2014
	GWR**, GWRCS**, GWRPS** - Multipurpose enclosures EN60079-0: 2012/A11:2013; EN 60079-7:2007; EN 60079-1:2007; EN60079-11:2012; EN60079-18:2009; EN60079-31:2014

Issued in Genova on December 07, 2017.

This certificate is valid until December 06, 2022

RINA Services S.p.A.

Valerio Bonanni



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Series AS**
Empty Enclosures

These enclosures of different sizes are made in polyester reinforced with fiber glass and constituted with a body closed by a lid.

They are protected by increased safety "e" and by enclosure "tb" for dust atmosphere.

The empty enclosure is covered by the component certificate INERIS 13 ATEX9009U

These enclosures get the degree of protection IP 66 according to the EN/IEC 60529

These components have been assessed to be used in the range of the operating temperatures from -50 °C (low mechanical risk regarding the impact type test)

or - 40 °C (normal mechanical risk regarding the impact type tests) up to +100°C

Safety parameters for Enclosures type AS (1)**

(1) type is completed by letters corresponding to the manufacturer variations

Number of EC Type Examination Certificate:

INERIS 13ATEX9009U + addendum INERIS 13ATEX9009U / 01

Marking :

II 2 GD

Ex e IIC Gb

Ex tb IIIC Db IP 66

Safety Standards:

EN 60079-0: 2012/A11:2013 ; EN 60079-7:2007; EN 60079-31:2014

Reference documents

Instruction for use IU 12_219 rev. 1A – Increased safety enclosures series GWR** empty
Certification file N°12-219 Rev.1

Series GWR, GWRCS**, GWRPS****

Enclosures with terminals, control and signaling units and with plugs and sockets

Number of EU –Type Examination Certificate

INERIS 13ATEX0042 and INERIS 13ATEX0042X issue 01

A) Enclosure GWR or GWRCSASCS** (1)**
for dust hazardous area only:

Marking:

II 2 D

Ex tb IIIC T85°C or T100°C Db IP65 or IP66

...°C ≤ Tamb ≤ ...°C (2)

T cable = (3)

(Rated voltage and rated current and rated power)

Warning : do not open when energized

(1) Type is completed by numbers corresponding to the size of enclosure

(2) Indication of the range of ambient temperature if different from -20°C to + 40°C
(maximum ambient temperature range -50°C to + 60°C)

(3) Indication when the temperature is higher than 70°C (see table in ATEX Cert.)



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B) Enclosure GWR or GWRCS** (1)
for gas and / or dust hazardous area fitted with terminals and components:**

Marking:

II 2 G D

Ex (2) e IIC T6 or T5 Gb

Ex tb IIIC T85°C or T100°C Db IP65 or IP66

...°C ≤ Tamb ≤ ...°C (3)

(Rated voltage and rated current and rated power)

Warning : do not open when energized

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) The marking code Ex is completed by the indication of the type of protection of the component installed in the enclosure in the alphabetical order.

(3) Indication of the range of ambient temperature if different from -20°C to +40°C
(maximum ambient temperature range -50/+60°C)

C) GWRPS**

for gas and duste hazardous area:

Marking:

II 2 G D

Ex d e IIC T6 or T5 or T4 Gb

Ex tb IIIC T85°C or T100°C or T135°C Db IP 65 or IP 66

...°C ≤ Tamb ≤ ...°C (2)

(Rated voltage and rated current and rated power)

Warning : do not open when energized

(1) Type is completed by numbers corresponding to the size of the enclosure.

(2) Indication of the range of ambient temperature if different from -20°C to +40°C

Safety Standards:

EN60079-0: 2012/A11:2013; EN 60079-1:2007; EN 60079-7:2007 ; EN60079-11:2012 ; EN60079-18: 2009 ; EN60079-31:2014

Reference documents:

Instruction for use IU- 13-263 rev. 1B - Increased safety enclosures Series GWR** , GWRCS** , GWRPS**
Certification file N°13-263 Rev.1B

General remarks :

Reference ambient temperature on board is 45°C ; Safety parameters to be considered accordingly.

Sign U, when it is placed following the Number of the EC Type Examination Certificate, indicates this one should not be wrongly considered as an EC type examination certificate delivered for equipment or protective system.
This partial certification may be used as a basis for the certification of equipment or protective system.

Installation, use and maintenance to be in accordance with the Manufacturer Instructions and the above mentioned Type Examination Certificate requirements.