

EU TYPE EXAMINATION CERTIFICATE

- [1]
[2] Equipment and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817)

- [3] EU type examination certificate (module B):

KDB 04ATEX279X

1st edition

- [4] Equipment:

Explosion Protected Luminaires type 113-...Ex

- [5] Manufacturer:

Remontowa Lighting Technologies S.A.

- [6] Address:

ul. Na Ostrowiu 1, 80-958 Gdańsk, POLAND

- [7] The equipment or protective system and any acceptable variations thereto are specified in the schedule to this certificate.

- [8] Główny Instytut Górnictwa – Państwowy Instytut Badawczy, Notified Body no 1453 according to Directive 2014/34/EU of February 26, 2014, approves that the equipment or protective system specified in this certificate has been found to comply with the essential health and safety requirements for the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere given in Annex II to Directive 2014/34 /EU (Załącznik nr 2 Rozporządzenia Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The results of the assessment and examinations as well as the list of agreed documentation are recorded in the confidential Report **KDB No 07.111-3 [T-5162/1]**

- [9] The essential health and safety requirements have been met by compliance with the requirements of the following standards:

EN IEC 60079-0:2018; EN 60079-1:2014; EN 60079-31:2014

- [10] If sign "X" is placed after the certificate number, this means the special conditions of use set out in the schedule to this certificate.

- [11] This EU type examination certificate relates only to the construction, assessment and testing of the specified product in accordance with Directive 2014/34 /EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The certificate shall not cover the remaining requirements of the Directive regarding the manufacturing process and placing the equipment or protective system on the market.

- [12] The marking of the equipment shall include the following:



II 2G Ex db IIB T4 Gb

II 2D Ex tb IIIC T135°C IP66 Db

**GŁÓWNY INSTYTUT GÓRNICTWA –
Państwowy Instytut Badawczy
Jednostka Oceny Zgodności**

mgr inż. Piotr Madej

ATEX Certification
Expert



KIEROWNIK

Jednostki Oceny Zgodności
Głównego Instytutu Górnictwa –
Państwowego Instytutu Badawczego

dr inż. Dariusz Stefaniak

Date of issue: 26 October 2023

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Główny Instytut Górnictwa – Państwowy Instytut Badawczy, 40-166 Katowice, Plac Gwarków 1, Poland, www.gig.eu
Jednostka Oceny Zgodności, 43-190 Mikołów, ul. Podleska 72, www.gigcert.com
Certification Body accredited by PCA [Polish Centre for Accreditation], No AC038.

This certificate may only be reproduced in its entirety together with schedules. The document without signatures and stamps shall be not valid.
PC.ATEX-01/ExXen ed 2 z 08 2023

[13]
[14]

SCHEDULE
EU type examination certificate
KDB 04ATEX279X 1st edition



[15] Description:

Explosion Protected Luminaires types 113-...Ex are designed for illuminating rooms and areas in 1 and 2 zones endangered by mixtures of air and gases, vapours and mists of group IIB, T4 temperature class. It is also intended to use in zones 21 and 22 endangered by air/dust mixtures, which 5mm layer's ignition temperature is higher than 210°C.

The luminaires types 113-...Ex are produced in two variations in 113-04Ex (crossing) and 113-03Ex (ending). The luminaires are optionally provided with additional guard, which does not prevent impact of light-transmitting cover according to EN 60079-0. The 113-...Ex luminaires are intended for fixed installations with low risk of impact.

The following Ex components and devices are used in Explosion Protected Luminaires types 113-...Ex:

No.	Component/Device name and manufacturer	Type of construction	Certificate No.
1.	Cable gland type P** lub P**R lub P**B Manufacturer: BARTEC F.N.S.R.L.	Ex II 2 GD Ex db IIC Gb/ Ex eb IIC Gb/ Ex ia IIC Gb Ex tb IIIC Db IP66 or IP68	INERIS 09ATEX0028X
2.	Cable gland types A** Manufacturer: CMP Products Ltd	Ex II 2G Ex db IIC Gb Ex eb IIC Gb Ex II 1D Ex ta IIIC Da	CML 18ATEX1321X
3.	Terminal type 262-... Manufacturer: WAGO GmbH & Co.KG	Ex II 2G Ex eb IIC Gb Ex I M2 Ex eb I Mb	PTB 98ATEX3125U

Technical parameters:

Rated voltage:	AC 230V; 50Hz	Source: incandescent lamp max 200W incandescent-mercury lamp MIX max 160W
	AC 110V; 50Hz DC 110V AC 42V; 50Hz DC 42V	Source: incandescent lamp max 100W
	AC 24V; 50Hz DC 24V DC 230V	Source: incandescent lamp max 60W
	AC 24V; 50Hz DC 24V	Source: incandescent lamp LED 11W
	AC 230V; 50Hz	Source: Lumenmax 20W (LED)
	AC 230V; 50Hz	Source: compact fluorescent 23W
	AC 230V; 50Hz	Source: incandescent lamp LED PHILIPS 12,5-100W
Passing cable's maximal current:	16A	
Operational temperature:	-20°C ÷ +40°C	
Degree of protection:	IP66	

Główny Instytut Górnictwa – Państwowy Instytut Badawczy, 40-166 Katowice, Plac Gwarków 1
Jednostka Oceny Zgodności, 43-190 Mikołów, ul. Podleska 72

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[16] Test Report:

"ATEX assessment report" KDB No 07.111-3

[17] Special conditions of use:

- As the replacing elements, can be use only those specified in the descriptive documentation;
- For mechanical connections of the flameproof enclosure, screws with a mechanical strength of not less than 8.8 should be used.

[18] Essential health and safety requirements:

Met by fulfilling the requirements of the following standards:

EN IEC 60079-0:2018	(PN-EN IEC 60079-0:2018-09)
EN 60079-1:2014	(PN-EN 60079-1:2014-12)
EN 60079-31:2014	(PN-EN 60079-31:2014-10)

Document history:

- EC type examination certificate KDB 04ATEX279X, 0 edition of November 5, 2004 with additions, initial certification.
 - EU type examination certificate KDB 04ATEX279X, 1st edition of October 26, 2023 replaces the EC type examination certificate KDB 04ATEX279X, 0 edition of November 5, 2004.
- The manufacturer's name and address have been changed. A new light source has been added. A new cable gland has been added.

