

LIGHTING FIXTURE type ATEXIS

INSTRUCTION MANUAL

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1. Compliance with the requirements of the directives

Ex Products Sp. z o.o. as a manufacturer of a product declares that the Beacon and horn type ExP-OASD meets the requirements of the Directive 2014/34/EU and has been designed in accordance with good engineering practice, especially in the field of explosion safety, and current technical knowledge, under the following harmonized standards: EN IEC 60079-0:2018, EN 60079-7:2015, EN 60079-18:2015, EN 60079-31:2014.

Marking



II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIC T80°C Dc

Name	Symbol	Description
Explosion protection marking		Symbol for device intended for use in potentially explosive atmospheres
Device group	II	Device intended for use in explosive atmospheres other than underground mines
Device category	3G	Device can safely operate in zone 2 of explosion hazard of gases, vapours, and mists of flammable liquids with air
	3D	Device can safely operate in zone 2 of explosion hazard of flammable dust with air
Type of explosion-proof design	Ex ec	Device protection by increased safety "e"
	Ex tc	Device protection against dust ignition by means of enclosure "t"
Explosion group	IIC	Device can be used in the presence of explosion hazard of gases, vapours, and mists of flammable liquids with air classified in explosion groups IIA, IIB, or IIC
	IIIC	Device can be used in the presence of explosion hazard of flammable dust and fibers classified in explosion groups IIIA, IIIB, and IIIC (all types of dust)
Temperature class	T4	Device intended for operation in areas with explosion hazard of gases at temperatures auto-ignition temperature > 135°C
Temperature	T80°C	The device can be used in the presence of dust with a cloud auto-ignition temperature higher than 165°C and a 5mm layer smouldering temperature higher than 185°C.
Explosion protection level	Gc	Devices intended for installation in zone 2 with a risk of gas explosion, providing a "normal level of safety" and which will not become a source of ignition under normal conditions of use.
	Dc	Devices intended for installation in zone 22 with a risk of dust explosion, providing a "normal level of safety" and which will not become a source of ignition under normal conditions of use.

2. Description

ATEXIS type lighting fixtures are designed for indoor and outdoor installations to operate in zone 2 of the explosion hazard of gases, vapors and mists of flammable liquids with air of explosion subgroup IIA, IIB or IIC, as well as in zone 22 of the explosion hazard of flammable dust with air of explosion subgroup IIIA, IIIB and IIIC.

ATEXIS	XXX	XX	XXXX	XX
	120 150 150	40 58 85	4000 6000	NW CW
	Approximate length [cm]	Maximum power [W]	Light colour[K]	

2.1. Technical data:

Supply voltage Un	230VAC 50/60Hz
Current consumption	40W – max 250mA 58W – max 350mA 85W – max 350mA
Light source	LED
Protection class	I
Luminous flux	ATEXIS 12040XXXXXX - 40W/33W/26W/20W 3000-6000lm ATEXIS 15058XXXXXX - 58W/47W/37W/27W 4200-8700lm ATEXIS 15085XXXXXX - 85W/68W/54W/40W 6000-12750lm
Luminous efficiency	155lm/W
Light color	4000K – NW 6000K – CW
Beam angle	120°
Duty	50 000h
Dimensions (L x W x H)	1200 x 80 x 68mm 1500 x 80 x 68mm
Ambient temperature range Ta	-20°C ÷ +40°C
Protection class according to PN-EN 60529	IP66
Mechanical resistance class	IK10
Cable entry:	Cable gland M20x1,5 – cable diameter 7÷12mm
Connection terminals	max 2,5mm ²
Mounting	surface-mounted, suspended

3. Construction

The solutions and materials used, along with the electrical equipment and carefully selected insulation distances, ensure that during normal operation, the luminaires are free from sparking, electrostatic charges, dangerous overheating, and other damage caused by external factors. The luminaires are single-chamber units. The housing is made of polycarbonate/PC. The diffuser is made of UV-stabilized polycarbonate. The mounting plate is made of galvanized sheet metal.

4. Installation

First, read the instructions below and exercise due caution. Before beginning installation, turn off the power to the lamp's power supply. Only a qualified person should install the fixture and make any connections. Exercise extreme caution during installation. The installation diagram is as shown in the attached drawings. The housing provides an IP66 protection rating provided the power cable is properly tightened and a lampshade seal is used.

4.1. Safety rules

- Before installing the lighting fixture, carefully read all information contained in this manual.
- General safety precautions must be followed.
- Failure to follow the installation and use instructions may result in personal injury or property damage. Ex Products Sp. z o.o. is not liable in such cases.
- Failure to follow the instructions in this manual will void the manufacturer's warranty.
- The manufacturer is not liable for damage resulting from improper installation, failure to maintain the device in proper working order, or use other than for its intended purpose.
- The user is responsible for completing the installation in accordance with this manual and the safety regulations and standards applicable to the type of installation being performed.
- In the event of a malfunction, the device should be disconnected and repaired by the manufacturer or an authorized service center.

4.2. Installation and connection procedure

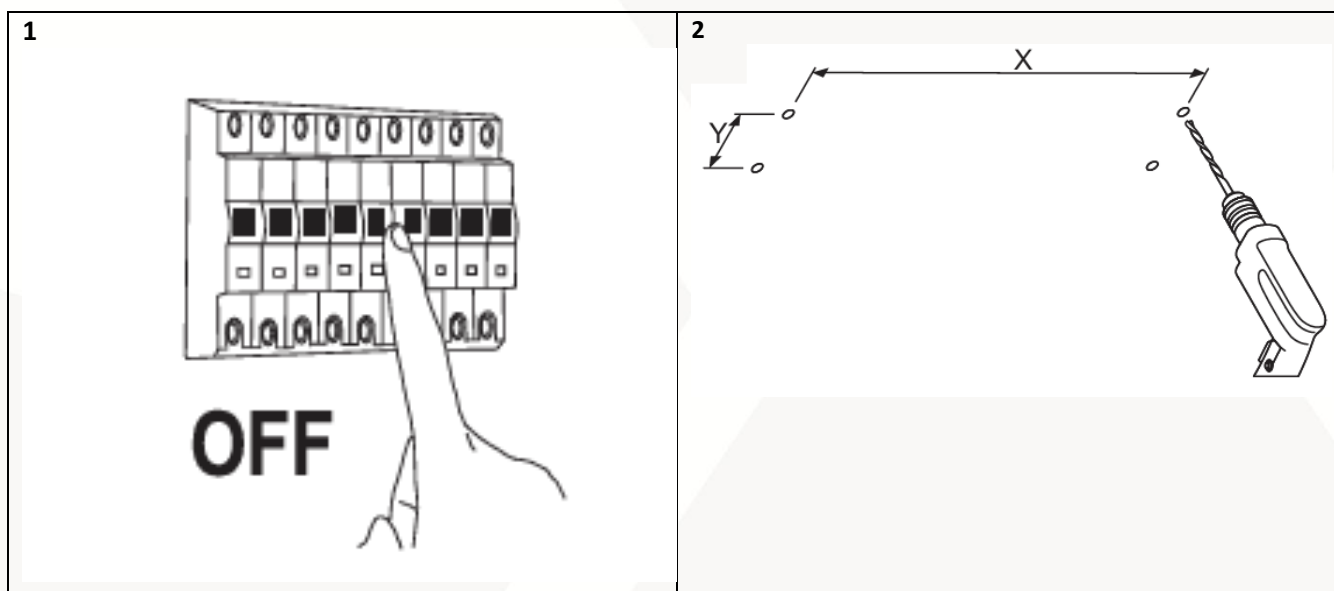
The device can be attached to any flat surface using two brackets on the inside of the base.

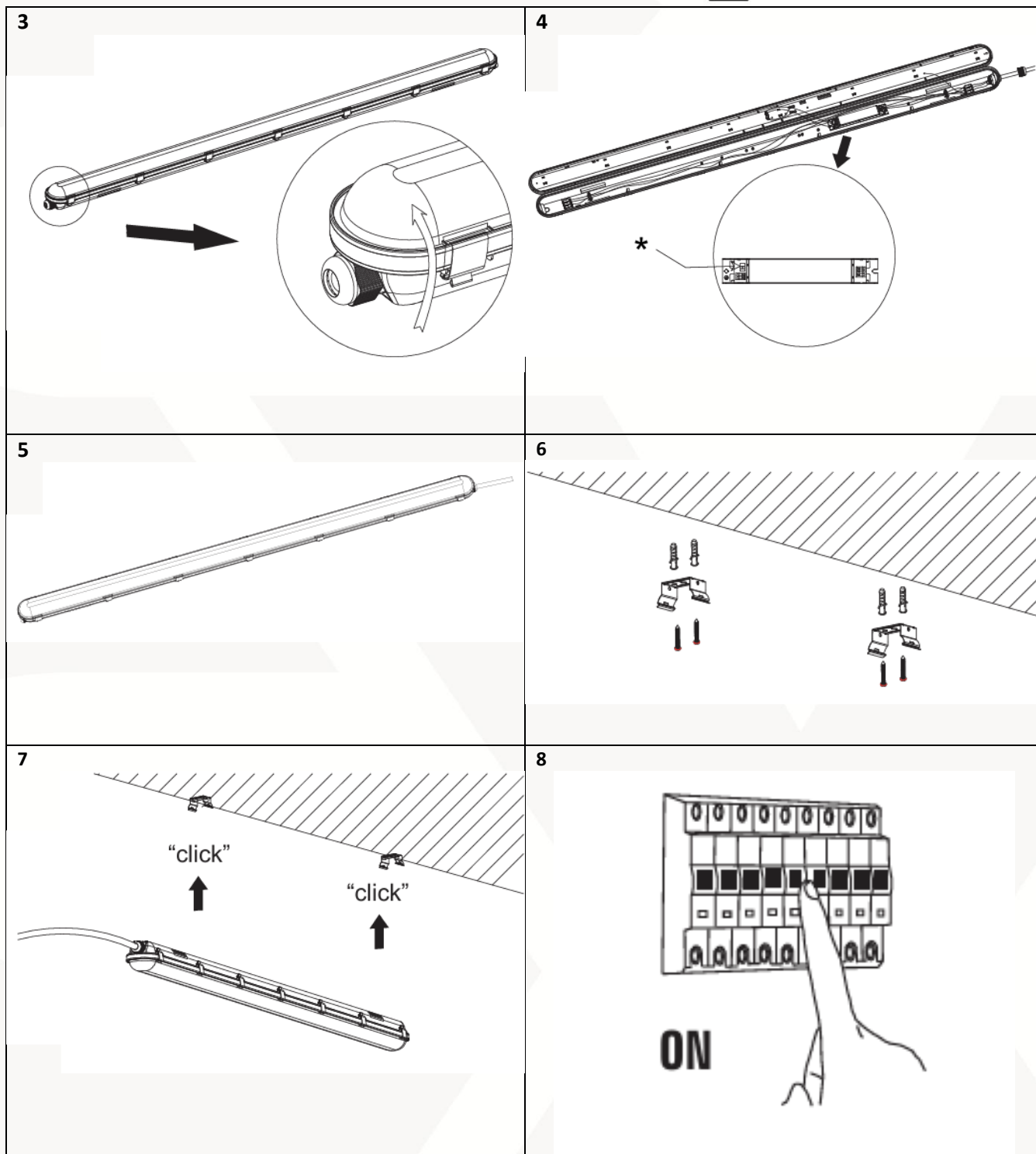


Installation and connection to the electrical installation should comply with the requirements of the EN IEC 60079-14 standard.

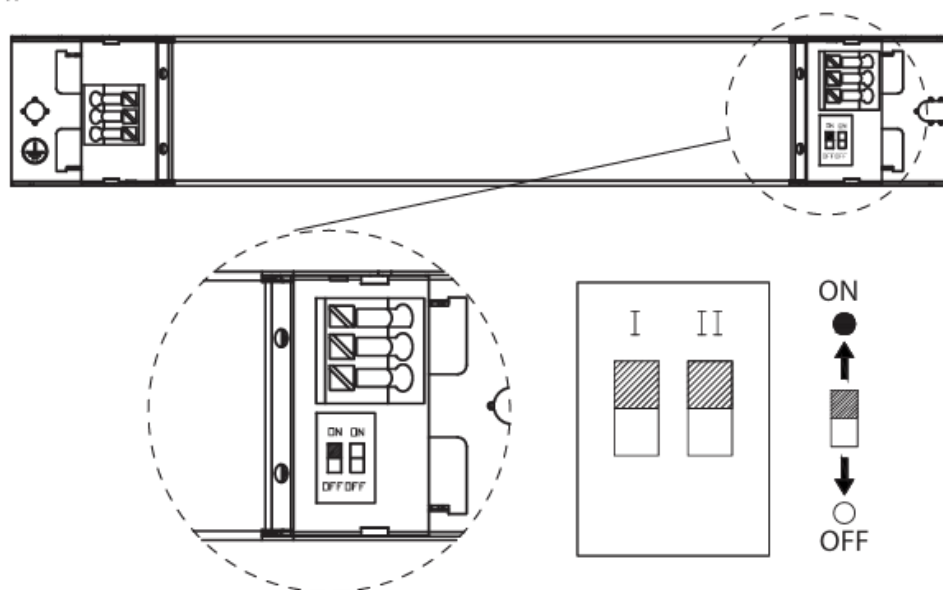
To connect the power supply:

- Insert the power cable into the luminaire through the cable entry (gland),
- Carefully strip the cable's cores (7-12 mm), and then insert it into the connector as marked inside the luminaire,
- Firmly tighten the power cable in the gland using a wrench,
- Check the effectiveness of the grounding..





*



ATEXIS 12040*

PIN1	PIN2	Iout (mA)	Power
OFF	OFF	250	40W
OFF	ON	210	33W
ON	OFF	170	26W
ON	ON	125	20W

ATEXIS 15058*

PIN1	PIN2	Iout (mA)	Power
OFF	OFF	175	27W
OFF	ON	230	37W
ON	OFF	290	47W
ON	ON	350	58W

ATEXIS 15085*

PIN1	PIN2	Iout (mA)	Power
OFF	OFF	175	40W
OFF	ON	230	54W
ON	OFF	290	68W
ON	ON	350	85W

5. Special conditions of use

- All device settings must be made with the power supply disconnected.
- The device's housing is made of plastic and can cause electrostatic discharges capable of igniting an explosive atmosphere under certain extreme conditions. The user must ensure that the device is not installed in a location where it may be subjected to extreme conditions that could cause electrostatic discharges on plastic surfaces.
- Clean only with a damp cloth with an antistatic agent.
- It is recommended to keep the dust layer on the devices and their installation location as low as possible.

- Dust layers exceeding 5 mm in thickness are unacceptable and may pose a risk of spontaneous combustion.
- The devices should remain closed during operation to maintain the proper IP66 protection rating.
- Periodic inspections are recommended in accordance with the requirements of the EN IEC 60079-17 standard.
- During periodic inspections, pay particular attention to the condition of seals and the proper throttling of all installed cable entries..



CAUTION - DO NOT OPEN, MAINTAIN OR SERVICE IN A HAZARDOUS AREA WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

6. Terms of use during the warranty period

The manufacturer's warranty is valid only if the following requirements are met:

- Compliance with the instructions in this manual
- Retention of markings (serial number identifying the product)
- Use of the product as intended

7. Transport instructions

Transport should be carried out using covered means of transport, in a way that protects against atmospheric precipitation, strong shocks and impacts at ambient temperatures $-20^{\circ}\text{C} \div +40^{\circ}\text{C}$.

8. Storage instructions

The luminaire should be stored in closed storage rooms at a temperature between $-20^{\circ}\text{C} \div +40^{\circ}\text{C}$ in an atmosphere free of vapours and aggressive gases.

9. Maintenance and repair instructions

Maintenance consists of periodic cleanliness checks. In the event of improper operation, check the electrical circuit connections and the presence of power. Users are not permitted to make any repairs or alterations to the device's design.



To ensure the explosion-proof system, all repairs and overhauls should be performed by the manufacturer or its authorized representative. Overhauls should be performed in accordance with the requirements of the current edition of the EN IEC 60079-19 standard - Explosive atmospheres - Part 19: Repair, overhaul, and refurbishment of equipment.

All repairs are performed exclusively by the manufacturer's service center!

10. Instructions for safe disposal of the device

The device does not contain any components hazardous to health or life.

Please note that this product cannot be treated as household waste (municipal waste) at the end of its useful life. The product must be disposed of and taken to an appropriate collection point for used electrical and electronic equipment.

By ensuring proper disposal, you will help prevent negative consequences for the environment and human health resulting from improper disposal.

Recycling helps protect the environment. For more information on recycling, contact your city or municipal office, waste disposal company, or the device manufacturer.



DEKLARACJA ZGODNOŚCI UE
EU DECLARATION OF CONFORMITY

Producent Ex Products Sp. z o. o.
Manufacturer: ul. Handlowa 6H
41-807 Zabrze

Niniejsza deklaracja zgodności wydana została na wyłączną odpowiedzialność producenta. | *This declaration of conformity is issued under the sole responsibility of the manufacturer.*

Oprawa oświetleniowa typu ATEXIS 120, ATEXIS 150**Lighting fixture type ATEXIS 120, ATEXIS 150**

Deklarujemy, że wyżej wymieniony wyrób został wyprodukowany zgodnie z wymaganiami zasadniczymi określonymi następującej dyrektywie/-ach i normie/-ach | *We declare the above-mentioned product was manufactured according to requirements specified in the following standard(s) or normative documents:*

ATEX 2014/34/UE

Zasadnicze wymagania dla urządzeń i systemów ochronnych przeznaczonych do użytku w przestrzeniach zagrożonych wybuchem | *Equipment and protective systems intended for use in potentially explosive atmospheres*

LVD 2014/35/UE

Dyrektywa dotycząca sprzętu elektrycznego przewidzianego do stosowania w określonych granicach napięcia | *Directive refers to electric facility working in certain voltage range*

EMC 2014/30/UE

Wymagania w zakresie kompatybilności elektromagnetycznej | *Electromagnetic compatibility*

RoHS II 2011/65/UE

Dyrektywa dotycząca ograniczenia stosowania niektórych niebezpiecznych substancji w sprzęcie elektrycznym i elektronicznym (RoHS II) | *Directive refers to restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS II)*

oraz normach zharmonizowanych | *and harmonized standards:*

PN-EN IEC 60079-0:2018-09
EN IEC 60079-0:2018

Atmosfery wybuchowe -- Część 0: Urządzenia -- Podstawowe wymagania | *Explosive atmospheres -- Part 0: Equipment -- General requirements*

PN-EN 60079-7:2016-02/A1:2018-03
EN 60079-7:2015/A1:2018

Atmosfery wybuchowe -- Część 7: Zabezpieczenie urządzeń za pomocą budowy wzmocnionej „e” | *Explosive atmospheres - Part 7: Equipment protection by increased safety "e"*

PN-EN 60079-31:2014-10
EN 60079-31:2014

Atmosfery wybuchowe -- Część 31: Zabezpieczenie urządzeń przed zapłonem pyłu za pomocą obudowy "t" | *Explosive atmospheres -- Part 31: Equipment dust ignition protection by enclosure "t"*

PN-EN IEC 60598-1:2021-07/A11:2022-12
EN IEC 60598-1:2021/A11:2022

Oprawy oświetleniowe - Część 1: Wymagania ogólne i badania | *Luminaires -- Part 1: General requirements and tests*

PN-EN IEC 60598-2-1:2021-09
EN IEC 60598-2-1:2021

Oprawy oświetleniowe - Część 2-1: Wymagania szczegółowe -- Oprawy oświetleniowe stałe ogólnego przeznaczenia | *Luminaires -- Part 2-1: Particular requirements for fixed general purpose luminaires*

PN-EN 60598-2-24:2014-02
EN 60598-2-24:2013

Oprawy oświetleniowe -- Część 2-24: Wymagania szczegółowe -- Oprawy oświetleniowe o ograniczonych temperaturach powierzchni | *Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures*

PN-EN 62493:2015-11
EN 62493:201

Ocena sprzętu oświetleniowego związana z ekspozycją człowieka na działanie pól elektromagnetycznych | *Assessment of lighting equipment related to human exposure to electromagnetic field*

PN-EN IEC 55015:2019-11/A11:2020-07
EN IEC 55015: 2019/A11:2020

Poziomy dopuszczalne i metody pomiaru zaburzeń radioelektrycznych wytwarzanych przez elektryczne urządzenia oświetleniowe i urządzenia podobne | *Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment*

PN-EN IEC 61000-3-2:2019-04/A1:2021-08
EN IEC 61000-3-2: 2019/A1:2021

Kompatybilność elektromagnetyczna EMC. Dopuszczalne poziomy emisji harmonicznym prądu | *Limit for harmonic currents emission*

PN-EN 61000-3-3:2013-10
EN 61000-3-3:2013

Kompatybilność elektromagnetyczna (EMC) -- Część 3-3: Poziomy dopuszczalne -- Ograniczanie zmian napięcia, wahań napięcia i migotania światła w publicznych sieciach zasilających niskiego napięcia, powodowanych przez odbiorniki o fazowym prądzie znamionowym ≤ 16 A przyłączone bezwarunkowo | *Electromagnetic compatibility (EMC) -- Part 3-3: Limits -- Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection*

PN-EN IEC 61547: 2023-10
EN IEC 61547: 2023

Sprzęt do ogólnych celów oświetleniowych. Wymagania dotyczące kompatybilności elektromagnetycznej | *Equipment for general Lighting purposes -- EMC immunity requirements*

Oznakowanie | *Marking:*



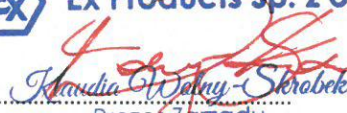
II 3G Ex ec IIC T4 Gc
II 3D Ex tc IIIC T80°C Dc

Zgodność wyrobu z zasadniczymi wymaganiami ww. dyrektyw i norm uzyskano poprzez zastosowanie następujących procedur oceny zgodności | *Product compliance with the essential requirements of the above-mentioned directives and standards were obtained by applying the following conformity assessment procedures:*

- Moduł oceny zgodności (moduł A) – wewnętrzna kontrola produkcji | *Module A: Internal production control*

ZABRZE, 15.06.2026

 **Ex Products Sp. z o.o.**


Prezes Zarządu

Klaudia Wolny-Skrobek
Prezes Zarządu