

Certificate

of EU type-examination No. UE/1147/2025/1437, edition 1

Name of the product:

Electrically Insulating Safety Helmet with Integrated Face Shield

Type (varieties):

BSD ErgoS Intec Power

Name and address of the manufacturer:

*BSD Bildungs- und Servicezentrum GmbH
Lutherstraße 33
01900 Großröhrsdorf
Germany*

**The product meets the applicable essential health and safety requirements
included in Regulation (EU) 2016/425 of the European Parliament and of the Council
of 9 March 2016**

Validity period: from 6 May 2025 to 5 May 2030

Head of the Centre
for Certification of Personal
Protective and Working Equipment

A. Stefk
Agnieszka Stefko M.Sc.(Eng.)

signature of the certificate issuer's representative

Warsaw, date 6 May 2025

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Product description:

The Electrically Insulating Safety Helmet with Integrated Face Shield, BSD ErgoS Intec Power consists of a shell made of ABS, a hoop made of ABS, a chin protector made of polyamide, a headband and nape strap made of polyethylene, a chin strap made of polypropylene, and a face shield made of polycarbonate.

The headband is equipped with an adjustment system (increment every 1 mm) which enables the user to change its length depending on the circumference of the head, at the range between 53 and 63 cm and two levels adjustment system of wearing height.

The face shield consist of a frame, visor and chin protector. The visor is made of PC (polycarbonate) with the thickness of 1.70 mm. It protects against impacts from solid objects and liquids, has UV filtering properties and is additionally covered with anti-fog coating.

Optionally, the helmet has a possibility to mount adapters designed for attaching additional accessories.

Image:

Basic parameters:

class, personal protective equipment category, performance level(s) or protection class of the product

Helmet:

- *shock absorption (tested after artificial ageing, wet conditioning and thermal conditioning in temperatures of (-40)°C and (+50)°C)*
- *resistance to penetration (tested after artificial ageing, wet conditioning and thermal conditioning in temperatures of (-40)°C and (+50)°C)*
- *resistance to flame*
- *protection against lateral deformations - symbol LD*
- *protection against molten metal splash - symbol MM*
- *protection against electrical shock (class 0)*

Eye protection:

- *optical powers, luminous transmittance, reduce luminance coefficient - optical class 1*
- *resistance to medium energy impact of medium speed particles - impact speed up to 120 m/s of steel ball with a mass of 0.86 g) - symbol B*
- *protection against droplets and splashes of liquids - symbol 3*
- *protection against UV radiation (lenses with enhanced color recognition) – symbol 2C-2*
- *resistance to fogging – symbol N*

Identification of the submitted documentation:

- *application for EU type-examination No. SO.540.2.2025 dated 10.01.2025*
- *agreement on EU type-examination and review of the EU type-examination certificate No. SO.540.2.2025, drafted on 10.01.2025, concluded on 13.01.2025*
- *EU type-examination certificate No. UE/195/2019/1437 valid from 29.07.2019 to 28.07.2024*
- *technical documentation: Electrically insulating safety helmet with integrated face shield, type: BSD ErgoS Intec, model: BSD ErgoS Intec Power, dated 19.11.2018*
- *user's manual dated 2024.11*
- *declaration of safety dated 19.11.2018*

***Product/product model supplied with the EU type-examination application
is compliant with the technical documentation.***

The product meets the requirements of harmonised standard/technical specifications:

- *EN 397:2012+A1:2012 "Industrial safety helmets"*
- *EN 50365:2002 "Electrically insulating helmets for use on low voltage installations"*
- *EN 166:2001 "Personal eye protection. Specifications"*
- *EN 170:2002 "Personal eye-protection. Ultraviolet filters. Transmittance requirements and recommended use"*

The product has been additionally tested for:

- *Arc Rating, ATPV factor: 28 cal/cm²*
- *Heat Attenuation Factor: 94%*

in accordance with the following document:

ASTM F2178-17b "Standard test method for determining the Arc Rating and standard specification for eye or face protective products"

confirmed by tests performed by:

1. CIOP-PIB, Department of Personal Protective Equipment, Lodz, Poland
2. CIOP-PIB, Department of Electronic Protective Equipment, Warsaw, Poland
3. ECS GmbH – European Certification Service, Aalen, Germany
4. Kinectrics Inc., Toronto, Canada

report No./certificate of conformity No.:

1. 607/PB/2017/NO dated 16.11.2017, 677/PB/2017/NO dated 18.12.2017, 240/PB/2021/NO dated 28.05.2021, 625/CR/2019/NO dated 15.11.2019, 727/CR/2021/NO dated 13.09.2021, 619/PB/2023/NO dated 19.10.2023
2. 615/PB/2017/NB dated 15.11.2017
3. 1059-ECS-15 dated 07.05.2015, 1175-ECS-15 dated 14.10.2015, 2325-ECS-18 dated 21.01.2019
4. K-352113-01-R00 dated 07.11.2018

Marking:

Helmet:

Shell:

name, address and logo of the manufacturer; product identification type: BSD ErgoS Intec; ABS; standard: EN 397:2012+A1:2012; -40°C; 440Vac; MM, LD; standard: EN 50365:2002 with graphic sign -  class 0; size 53-63 cm, 20⁷/₈ - 24⁵/₈ inch; lot number; date of manufacture (month and year); date of utilization (month and year)

Harness:

BSD; size: 53-63 cm, 20⁷/₈ - 24⁵/₈ inch

Eye protection:

Visor:

BSD ErgoS Intec Power; data of manufacture (month/year); lot number; 2C-2; 1 B N;  1000V

Frame:

BSD; standard: EN 166:2001; 3 B

The certificate applies in conjunction with one of procedures of conformity assessment according to C2 module or D module pursuant to Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016

NOTE 1:

The EU type examination certificate is the property of CIOP-PIB and is issued in two copies - one copy for CIOP-PIB, the other for the manufacturer.

The certificate status can be verified at www.ciop.pl or by contacting: ocw@ciop.pl

NOTE 2:

Forging the content and the markings of the certificate or modifying them (including a photocopy or scan), or using such document as authentic is a crime under Article 270 § 1 of the Criminal Code.