

CERTIFICATE OF CONFORMITY

No. CZ/001/2024

Name and address of the certificate holder: **Przedsiębiorstwo Wdrożeniowo-Produkcyjne „NEEL” Sp. z o.o., ul. Piecuszka 1, 02-836 Warszawa**

Manufacturer's name and address: **Przedsiębiorstwo Wdrożeniowo-Produkcyjne „NEEL” Sp. z o.o., ul. Piecuszka 1, 02-836 Warszawa**

Product name: **Animal protection device**

Type / construction variety: **UOZ-1**

Intended use: **The device is designed to be installed by railway routes and its task is to counteract the migration of game animals through the railway tracks during the passage of a train**

Reference standards: **PN-EN 60146-1-1:2021-02, PN-EN 60664-1:2021-02, PN-EN 60529:2003, PN-EN 61131-2:2008, PN-EN 50121-1:2017-06, PN-EN 50121-2:2017-06, PN-EN 60068-2-17:2001, PN-EN 60068-2-6:2008, PN-EN 60068-2-27:2009, PN-EN 60068-2-30:2008, PN-EN 60068-2-14:2009, PN-EN 60068-2-5:2018-08**

Test reports: **118/LMC – 900/18
160/NZL/NBW/2011/SEM
2608/NPM/2014
FRM – 1591**

Date of granting the Certificate: **26.01.2024 r.** Expiry date of the Certificate: **25.01.2027 r.**

Based on the above-mentioned test reports, it is found that the product complies with the requirements of the above standards.

The Certificate is valid for products with identical features, configuration and equipment as the tested samples.




Bartłomiej Silczak
Managing Director of INFACERT TSI

RATED PARAMETERS

Supply voltage		230 V
Rated frequency		50 Hz
Supply current		0,12 A
Maximum rated power		40 VA
Insulation strength		4 kV _{sk}
IP protection class		IP 65
Type of work		continuous operation
Temperature resistance		233 K ÷ 328 ± 2 K (-40 °C ÷ +55°C ± 2°C)
Type of housing		metal
Mechanical resistance to sinusoidal vibrations	Frequency range	10 Hz ÷ 55 Hz
	Amplitude	0,35 mm
	Acceleration	49 m/s ²
	Duration	20 cycles
Electromagnetic compatibility (EMC)		
Emission of radioelectric disturbances	Voltage level of electromagnetic disturbances	Does not exceed the permissible level specified in the PN-EN 61000-6-4: 2019-12 standard
	Radiated disturbance	
Harmonic current emission	It does not exceed the permissible level for class A devices specified in the PN-EN 61000-3-2: 2019-04 standard	
Reduce of voltage fluctuations and flickering light	Meets the requirements of the PN-EN 61000-3-3:2013-10/A1:2019-10 standard	
Resistance to electrostatic discharge (ESD)		Meets the requirements of the following standards: PN-EN 50121-3-2:2017-04 and PN-EN 50121-4:2015-10
Resistance to conducted disturbances caused by high-frequency fields		Meets the requirements of PN-EN 61000-6-2: 2019-04 standard
Resistance to series of fast electrical transients		Meets the requirements of the following standards: PN-EN 50121-3-2: 2017-04, PN-EN 50121-4:2015-10 and PN-EN 61000-6-2:2019-04
Resistance to voltage surges		Meets the requirements of the PN-EN 61000-6-2: 2019-04 standard
Resistance to magnetic field disturbances at the frequency of the power network		Meets the requirements of the following standards: PN-EN 50121-4:2015-10 and PN-EN 61000-6-2:2019-04
Resistance to voltage dips and short interruptions		Meets the requirements of PN-EN 61000-6-2:2019-04 standard
Resistance to radiated radio frequency disturbances		Meets the requirements of PN-EN 55035:2017-09 standard