EUROPASS CERTIFICATE-SUPPLEMENT (*)

1. TITLE OF THE CERTIFICATE (HU)

54-522-01 Erősáramú elektrotechnikus

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Electrical power technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to:

- process (cut, drill, cut by machine, saw, bend, file, sand) metal and plastic workpieces;
- prepare electrical and mechanical joints;
- prepare simple electrical block diagrams;
- understand electrical connections;
- perform electrical measurements;
- prepare measurement records and drawings;
- put equipment under voltage;
- disconnect electric equipment;
- carry out power installation of smart buildings;
- carry out electric installation of public and residential buildings, check electric circuits;
- install the electricity distribution system of public and residential buildings;
- install/assemble control devices;
- install/assemble regulating devices;
- implement, install and activate engine controls (engine protection, starting, reversal switches, rpm changing connections);
- perform measurement related to power management;
- perform measurement related to the control of instrument transformers;
- perform measurement related to the control and supervision of power grids and electrical equipment;
- transport, install, put into operation and operate electrical machinery;
- install and operate computer-, microprocessor-, microcontroller and PLC-driven industrial processes;
- use drawing programmes;
- choose electric measuring devices;
- check and measure the state of electrical networks and substations;
- operate and check the security and automatic equipments of electrical networks and substations;
- use electrical appliances, hand tools for basic technological operations;
- comply with and cause others to comply with rules on labour safety, accident prevention, fire and environment protection, as well as provisions concerning the profession and the technology of repairs;
- connect electrical measuring devices.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

3121 Electrical power technician (energy technician)

3122 Electrical power technician (electronics technician)

(*) Explanatory notes:

This document is designed to provide additional information about the specified certificate and does not serve as a legal certificate of vocational qualification. The format of the description is based on the following documents:

Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: http://europass.cedefop.europa.eu/

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the institute issuing the certificate

Name and status of the national/regional authority providing accreditation/recognition of the certificate

Ministry for National Economy

Level of the certificate (national or international)

Level of vocational qualification according to the National Qualification Register:
54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education

ISCED2011 code:
4

NQF level: 4

EQF level: 4

Grading scale / Pass requirements

Five -grade:
5 excellent
4 good
3 satisfactory
2 pass
1 fail

Certificate number: PT K

Serial number: 123456

Certificate issue date: 2023.10.02

Results achieved at the examination and their proportion expressed in percentage in the complex mark

Central written examination	Professional know-how	5	30.00
Oral examination	Power electrician know-how	5	20.00
Practical examination	Power installations	5	50.00
Result achieved at the complex vocational examination, expressed in grades.		5	

Access to next level of education/training

Advancement to higher education

International agreements

Other information concerning the vocational training process

Legal basis

Act CLXXXVII of 2011 on Vocational Training
Decree 29/2016 (VIII. 26.) NGM of the Minister for National Economy on the professional and examination requirements of vocational qualifications.

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of vocational education and training received	Percentage of total programme %	Duration (hours/weeks/months/years)
School-/training centre-based	Theory: 40 % Practice: 60 %	
Workplace-based		
Accredited prior learning		
Total duration of the education/training leading to the certificate		2 years

Entry requirements:

- Secondary school leaving examination
- Requirements for medical fitness shall be met

Vocational requirement modules:

11498-12 Employment I (for courses based on secondary school-leaving examination)
11499-12 Employment II.
11500-12 Occupational health and safety
10007-16 Introduction to informatics and technology
10005-16 Basic tasks in the field of electrical industry
10003-16 Basics of control engineering
10016-16 Operation of high current equipments
10017-16 High current measures
10018-16 High current installations

This certificate supplement was prepared on the basis of the instruction for filling in the Certificate Supplement published on the homepages of the National Reference Point and the National Europass Centre.

National Reference Point – NSZFH – http://nrk.nive.hu

Head of Examination Organiser:
Issue date: 2023.10.02

SEAL