



## 1. TITLE OF THE CERTIFICATE (HU)

54 523 01 Automatikai technikus

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Automation technician

(THIS TRANSLATION HAS NO LEGAL STATUS)

## 3. PROFILE OF SKILLS AND COMPETENCES

**A typical holder of the certificate is able to:**

- commission the automatics equipment;
- operate, repair and maintain automatics equipment;
- perform instrument readings on automatics equipment;
- carry out equipment modification tasks;
- participate in the introduction of new technologies;
- operate highly automated equipment;
- supervise maintenance and repair works;
- Perform PLC programming;
- Set parameters and diagnose;
- install and operate hydraulic devices;
- install and operate pneumatic and electropneumatic devices;
- set up real robots, perform basic programming;
- diagnose errors on NC machines and perform basic setups;
- Install, set up and operate electronic drives.

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

3122 Electrical power technician (electronics technician)  
3121 Electrical power technician (energy technician)  
3190 Other technician  
7341 Technician and mechanic of electric machines and devices

### (\*) 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/>

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## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the institute issuing the certificate</b></p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Ministry for National Economy</p>																								
<p><b>Level of the certificate (national or international)</b></p> <p><b>Level of vocational qualification according to the National Qualification Register:</b> 54 advanced vocational qualifications, which require the completion of the secondary school leaving exam and may be obtained primarily in formal education</p> <p><b>ISCED2011 code:</b> 5</p> <p><b>NQF level:</b> 5</p> <p><b>EQF level:</b></p>	<p><b>Grading scale / Pass requirements</b></p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p>																								
<p><b>Certificate number:</b> PT K</p> <p>Serial number: 123456</p> <p><b>Certificate issue date:</b> 2019.03.06</p>	<p><b>Results achieved at the examination and their proportion expressed in percentage in the complex mark</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Examination type</th> <th style="width: 40%;">name of the exam task</th> <th style="width: 10%;">grade</th> <th style="width: 30%;">proportion in evaluation expressed in percentages</th> </tr> </thead> <tbody> <tr> <td>Central written examination</td> <td>Electrical and control technology knowledge and PLC general knowledge</td> <td style="text-align: center;">5</td> <td style="text-align: center;">40.00</td> </tr> <tr> <td>Oral examination</td> <td>Control technology basics, manufacturing systems</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10.00</td> </tr> <tr> <td>Practical examination</td> <td>Electrical, pneumatic and hydraulic controls</td> <td style="text-align: center;">5</td> <td style="text-align: center;">25.00</td> </tr> <tr> <td>Practical examination</td> <td>Industrial process control using PLC</td> <td style="text-align: center;">5</td> <td style="text-align: center;">25.00</td> </tr> <tr> <td colspan="2">Result achieved at the complex vocational examination, expressed in grades.</td> <td style="text-align: center;">5</td> <td></td> </tr> </tbody> </table>	Examination type	name of the exam task	grade	proportion in evaluation expressed in percentages	Central written examination	Electrical and control technology knowledge and PLC general knowledge	5	40.00	Oral examination	Control technology basics, manufacturing systems	5	10.00	Practical examination	Electrical, pneumatic and hydraulic controls	5	25.00	Practical examination	Industrial process control using PLC	5	25.00	Result achieved at the complex vocational examination, expressed in grades.		5	
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<p><b>Access to next level of education/training</b></p>	<p><b>International agreements</b></p>																								
<p><b>Other information concerning the vocational training process</b></p>																									
<p><b>Legal basis</b></p> <p>Act CLXXXVII of 2011 on Vocational Training Decree 29/2016 (VIII.26.) NGM of the Ministry for National Economy on the professional and examination criteria of vocational courses.</p>																									

## 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		1300 hours

**Entry requirements:**

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

**Vocational requirement modules:**

- 10007-16 Introduction to informatics and technology
- 10005-16 Basic tasks in the field of electrical industry
- 10003-16 Basics of control engineering
- 10004-16 Pneumatic and hydraulic systems
- 10002-16 Industrial manufacturing systems
- 10001-16 Management of industrial processes with PLC
- 11498-12 Employment I (for courses based on secondary school-leaving examination)
- 11499-12 Employment II.
- 11500-12 Labour safety and health

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: 2019.03.06

**SEAL**