



### 1. TITLE OF THE PROFESSION

07134028 Kisfeszültségű mérőhelyi FAM szerelő

### 2. TRANSLATED TITLE OF THE PROFESSION

Low-voltage, live electrical installation fitter  
(THIS TRANSLATION HAS NO LEGAL STATUS)

### 3. PROFILE OF SKILLS AND COMPETENCES

- plan the sequence of operations in control cabinets, distribution cabinets and relay racks (relay control cabinets), carry out risk assessments and connect, disconnect and replace the components of the actuating device and the protection and control equipment;
- carry out live working tasks on the equipment, fittings and wiring of protection, signalling, interlocking, operating, control and auxiliary circuits;
- plan the sequence of operations, carry out risk assessments and make the necessary repairs;
- check the cable joints of low-voltage connection bars;
- plan the sequence of operations, carry out risk assessments, connect and disconnect live wires;
- troubleshoot live, low-voltage protection and control equipment and auxiliary installations;
- plan the sequence of operations, carry out risk assessments and make the necessary repairs;
- comprehend and complete the written or electronic documents related to the work (e.g. Live Electrical Work Permit);
- use business management software.

### 4. CLASSIFICATION OF THE VOCATIONAL TRAINING ACCORDING TO THE ISCED FIELDS OF EDUCATION AND TRAINING (ISCED-F)

0713 Energetics and electricity

#### (\*) Explanatory notes:

<sup>1</sup> In the original language. | <sup>2</sup> The translation of the designation is provided for information purposes only. | <sup>3</sup> Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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5. OFFICIAL BASIS OF THE CERTIFICATE				
Name and status of the authority issuing the certificate		Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry for Innovation and Technology		
Level of the certificate (national or international) NQF level: 4 EQF level: 4 Digital Competence Framework level: 5		Grading scale / Pass requirements Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail		
Certificate number: CXK A  Serial number: 123456 Certificate issue date: 2023.12.07		Designation of the theoretical and practical subjects of the vocational qualification examination and their grades according to a five-grade scale		
		written		
		Low-voltage, live electrical installation knowledge	100%	5
		project exercise		
		Low-voltage, live electrical installation practical repair task	100%	5
		Result of the qualification examination		100%
Access to next level of education/training		International agreements		
<b>Other information concerning the vocational training process</b>  In the event the individual scores 70% or more in the written examination AND the project task is successfully completed (min. 60%) AND within the project task, the individual scores 6% or more in foreman attitude, the exam organiser will propose to grant an LV-2 authorisation (KiF-2) to the individual; if one of these conditions is not met, the exam organiser will propose to grant an LV-1 authorisation (KiF-1) to the individual				
<b>Legal basis</b>  Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 11/2020 (II. 7.) on the Implementation of the Act on Adult Education, Decree 21/2010 (V. 14.) NFGM of the Minister of National Development and Economy on the qualifications required to pursue certain industrial and commercial activities, Decree 72/2003 (X. 29.) GKM of the Minister of Economy and Transport on the issue of the safety code for working on live equipment.				

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE	
Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of programme elements in percentage
Total duration of the education/training	32 hours
<b>Entry requirements:</b>	

MANUAL

- Educational prerequisite: elementary school qualification
- Vocational prerequisite:
- =Electrician:
- pursuant to Decree 1/1956 (VII. 24.) VKGM of the Minister of Urban and Village Affairs on the training of local industry apprentices,
- Decree 2/1959 (IV. 10.) MüM of the Minister of Labour on the procedural rules for skilled workers' examination of apprentices in the field of industry (engineering), agriculture and commerce and of workers with no student status,
- Decree 13/1969 (XII. 30.) MüM of the Minister of Labour on the implementation of Act VI of 1969 on the vocational training of skilled workers and Decree 18/1989 (VIII. 26.) MM of the Minister of Cultural Affairs on the professions and trades that may be taught in vocational and trade schools
- 625 Electrician,
- 503 Electrician,
- 505 Electrician branches,
- 505-1 Heavy-current equipment repair technician,
- 505-2 Electrical installation repair technician in buildings,
- 505-3 Railway electrician,
- 505-4 Electricity network technician,
- 506 General electrician qualification,
- pursuant to Decree 7/1993 (XII. 30.) MüM of the Minister of Labour on the National Qualifications Register, Decree 27/2001 (VII. 27.) OM of the Minister of Education, Decree 37/2003 (XII. 27.) OM of the Minister of Education and Decree 1/2006 (II. 17.) OM of the Minister of Education
- 07 2 7624 02 31 17 Electrician,
- 33 522 04 1000 00 00 Electrician,
- 07 2 7445 02 3 1 13 Electrical device and equipment mechanic,
- 33 5222 03 Electrical device and equipment mechanic,
- 33 5216 03 Electrician qualification,
- pursuant to Government Decree 150/2012 (VII. 6.) on the National Qualifications Register and on the procedural rules for amending the National Qualifications Register
- 34 522 04 Electrician qualification,
- and pursuant to Government Decree 12/2020 (II. 7.) on the implementation of the Act on VET
- 4 0713 04 07 Electrician qualification.
- =Technician:
- pursuant to Decree 5/1972 (V. 16.) NIM of the Minister of Heavy Industry on technical qualifications,
- Decree 18/1972 (XI. 17.) ÉVM of the Minister of Building and Urban Development on technical qualifications,
- Decree 1/1972 (VI. 14.) KGM of the Minister of Metallurgy and Engineering on technical qualifications and Decree 16/1984 (IX. 12.) MM of the Minister of Cultural Affairs on technician and skilled worker training at secondary vocational schools
- (41.) (21-0600) Electrical technician,
- (36.) Building electricity technician,
- (42.) Electrical device and equipment technician,
- (10.10) Heavy-current device and equipment manufacturing technician qualification,
- pursuant to Decree 7/1993 (XII. 30.) MüM of the Minister of Labour on the National Qualifications Register, Decree 27/2001 (VII. 27.) OM of the Minister of Education, Decree 37/2003 (XII. 27.) OM of the Minister of Education and Decree 1/2006 (II. 17.) OM of the Minister of Education
- 52 5422 01 Electrical engineering technician
- 52 5422 02 Heavy-current electrical technician
- 52 5422 03 Electrical device and equipment technician,
- 07 5 3118 16 30 18 Electrical device and equipment technician,
- 54 522 01 0000 00 00 Heavy-current electrical technician qualification
- attested by a certificate of vocational secondary education with the following note:
- The certificate entitles its holder to work in the electricity industry.
- Pursuant to Government Decree 150/2012 (VII. 6.) on the National Qualifications Register and on the procedural rules for amending the National Qualifications Register
- 54 522 01 Heavy-current electrical technician qualification,
- and pursuant to Government Decree 12/2020 (II. 7.) on the implementation of the Act on VET
- 5 0713 04 04 Heavy-current electrical technician qualification.
- =Engineer:
- Individuals with a certificate obtained in electrical engineering (BsC, MsC) and heavy-current production engineering provided that the following requirements are met:
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- any of the following specialisations (branches) are indicated in the certificate:
- electricity works,
- electrical machinery,
- electrical engineering,
- building electrification.
- In the case where only the electrical engineering qualification is indicated in the certificate and the specialisation in electrical power engineering cannot be clearly established, the vocational grounding shall be determined on the basis of the academic record book of the individual.
- Medical fitness requirements shall be met.
- Professional experienced required: 1 year of work placement in the field of heavy-current electrical engineering

**Further information:**

**WRITTEN EXAMINATION EXERCISES**

Compliance with professional and safety rules (fire safety, occupational safety, accident prevention), performance of risk assessments  
Understanding of instructions  
Sequence of execution steps, professional execution (professionalism, high quality)  
Tools and materials used during execution  
Effective communication with colleagues  
Keeping records of the necessary documentation  
Efficiency, teamwork, creativity, professionalism

**PRACTICAL EXAMINATION EXERCISES**

Efficiency, teamwork, creativity, professionalism  
Foreman attitude  
Compliance with professional and safety rules (fire safety, occupational safety, accident prevention), performance of risk assessments  
Understanding of instructions  
Sequence of execution steps, professional execution (professionalism, high quality)  
Tools and materials used during execution  
Effective communication with colleagues  
Keeping records of the necessary documentation

You can find more information on the Programme and System Requirements in the following link: <https://ikk.hu>  
This certificate supplement was elaborated in accordance with the programme requirements registered by the minister responsible for VET.

**National Reference Point: National Office of Vocational Education and Training and Adult Learning:**  
**<https://nrk.nive.hu>**

Head of Examination Organiser:  
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**SEAL**