

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 2 en
ELEE0109 MONTAJE Y MANTENIMIENTO DE INSTALACIONES ELÉCTRICAS DE BAJA TENSIÓN**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 2 in
ELEE0109 INSTALLATION AND MAINTENANCE OF LOW VOLTAGE INSTALLATIONS
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to install, maintain and repair low voltage electrical installations under the Low Voltage Electrotechnical Regulations, applying the techniques and procedures required for each case, meeting quality criteria under safety conditions and complying with applicable standards. This general competence is divided into the following **skills units** (UC):

- Install and maintain low voltage electrical installations in buildings devoted primarily to housing (UC0820_2).
- Install and maintain low voltage electrical installations in commercial, office and industrial buildings (UC0821_2).
- Install and maintain automatic installations in housings and small industries (UC0822_2).
- Install and maintain low voltage aerial electrical networks (UC0823_2).
- Install and maintain low voltage underground electrical networks (UC0824_2).
- Install and maintain electrical machinery (UC0825_2).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Electrical installations in housing buildings (MF0820_2).
- Electrical installations in office, commercial and industrial buildings (MF0821_2).
- Automated electrical installations and automatic installations (MF0822_2).
- Installation and maintenance of low voltage aerial electrical networks (MF0823_2).
- Installation and maintenance of low voltage underground electrical networks (MF0824_2).
- Installation and maintenance of electrical machinery (MF0825_2).
- Practical training at the workplace in installation and maintenance of low voltage electrical installations (MP0183)

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Install electrical installations in housings, offices, commercial or industrial premises.
- Install automated installations and electrical automatisms.
- Install a low voltage aerial network based on technical documentation.
- Install and connect rotating electrical machinery based on given specifications.
- Take part in the company's working processes, following the rules and instructions established at the workplace.

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

The holder of this certificate may work in the areas of installation and maintenance of low voltage (LV) electrical installations, the activity being regulated by the Low Voltage Electrotechnical Regulations (REBT). The holder may also work in the electrical power generation and distribution sector, in installation and maintenance of low voltage installations contemplated in the REBT: LV installations in housing buildings; LV installations in office buildings; LV installations in commercial buildings; LV installations in specific industry buildings; LV installations in buildings for a group of industries. The most pertinent occupations and positions are:

- General electrical installer.
- Building and housing electrical installer.

The holder of this professional certificate has recognition for the requirements for exercising as a “low-voltage electrotechnical installer” in the basic and specialist categories and within the modalities in the specialist category according to the regulation of the Royal Decree 560/2010 of 7 of May. Moreover, the holder of this professional certificate has recognition of the basic level training in labour risk prevention, according to Annex IV of the Royal Decree 39/1997 of 17 of January approving the Labour Risks Prevention Act.

5. OFFICIAL BASIS OF THE CERTIFICATE

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

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

Level of the certificate

The Professional Certificate Level 2 of the National Repertoire of Professional Certificates corresponds to level 3 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

Grading scale/Pass requirements

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

Access to next level of education/training

This Professional Certificate Level 2 gives access to Professional Certificate Level 3 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

Legal basis

Royal Decree 683/2011 of 13 May, establishing six professional certificates in the professional family Electricity and Electronics, which are included in the National Repertoire of Professional Certificates, and updating the professional certificates established in Royal Decree 1214/2009 of 17 July. (Appendix III Code: ELEE0109)

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	91	840
Practical training at the workplace	9	80
Total duration of training leading to the certificate		920

Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

Additional information: Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: www.sepe.es

National Europass Centre: www.oapee.es

(*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no legal status in itself. The format of the description is based on the following texts: 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 is available at: <http://europass.cedefop.eu.int>

Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

