

Accelerated Capital Allowances Eligibility Criteria

Category: Electro-Mechanical Systems

***Technology:* Electrical Actuators**

An electrical actuator is a device that receives an electrical signal in the form of a controlled voltage, current or digital control signal from a device controller, and causes a mechanical part to move in a linear or rotational manner by a defined amount.

Actuators are considered to include multi-turn, partial turn or linear types which control valves, air dampers or similar devices.

Eligibility criteria

To be included on the ACA specified list, an electrical actuator must meet *all* the requirements set out below.

No.	Condition
1	All equipment and/or components must be CE-marked as required by the specific EU directive(s).
2	Actuator shall have a nominal input power rating of greater than or equal to 60W and less than or equal to 6kW.
3	Actuator electrical control signal shall cause the actuator to change state or position as desired, using electrical energy sources solely. Power supplies to provide the drive forces may be DC or single/ 3-phase AC only.
4	The actuator shall remain in its set position when external power is removed from the device and shall not consume energy from its main drive circuitry when in a fixed position and stationary for more than 10 seconds.
5	Appropriate installation, operating and maintenance manuals, including wiring diagram, must be available for the end-user as part of the main contract of sale, along with any specific actuator commissioning tools required in order to optimise potential efficiency improvements when installed.

----- *End of ACA eligibility criteria* -----

Please see next section for guidance on:

- 1. Technical details required in product submission**
- 2. Supporting documentation required**

Guidance on product details and supporting documentation

NOTE: The following information is not part of the official criteria document published within the relevant Statutory Instrument. It has been added here for guidance purposes only in order to help you to provide (a) product details and (b) the required supporting documentation.

All information contained in this guidance document is subject to change without notice.

Technical details required in product submission

The following are the specific technical values required as part of the product submission for this technology:

Nominal Input Power Rating (W)

The nominal input power rating of the product in Watts is required as a value for the product submission. It must be entered as a number only without unit symbols. There should also be no spaces or full stops after the number submitted. The figure must not be less than sixty and not greater than six thousand Watts.

Supporting documentation required

Described below is the list of documents that are accepted as proof of compliance for the specific Electrical Actuators condition.

Note: This information will only be requested AFTER you submit your product's basic details online

Important Notes to Product Providers

Please ensure that you read the "Important Notes for Product Providers" section at the end of this document prior to submitting documentation.

No.	Condition	Supporting Documentation Requirement
1.	All equipment and/or components must be CE-marked as required by the specific EU directive(s).	<p>Official and published manufacturer's technical data sheet or brochure that demonstrates CE marking compliance</p> <p>OR</p> <p>A copy of an official signed declaration on headed paper that confirms CE marking compliance.</p> <p>Official declarations should explicitly state the product for which CE marking is being confirmed (i.e. do not provide a letter simply stating general compliance with the relevant ACA condition).</p> <p>Where a document is used to demonstrate conformance for a number of products or range of products, it should clearly specify each individual product covered by that document.</p>
2	Actuator shall have a nominal input power rating of greater than or equal to 60W and less than or equal to 6kW.	Official and published manufacturer's technical data sheet or brochure that demonstrates the requirements of the condition.
3	Actuator electrical control signal shall cause the actuator to change state or position as desired, using electrical energy sources solely. Power supplies to provide the drive forces may be DC or single/ 3-phase AC only.	Official and published manufacturer's technical data sheet or brochure that demonstrates the requirements of the condition.
4	The actuator shall remain in its set position when external power is removed from the device and shall not consume energy from its main drive circuitry when in a fixed position and stationary for more than 10 seconds.	Official and published manufacturer's technical data sheet or brochure that demonstrates the requirements of the condition.

No.	Condition	Supporting Documentation Requirement
5	Appropriate installation, operating and maintenance manuals, including wiring diagram, must be available for the end-user as part of the main contract of sale, along with any specific actuator commissioning tools required in order to optimise potential efficiency improvements when installed.	<p>A copy of an official signed declaration on headed paper which confirms that the appropriate operating and maintenance manuals are provided, along with any specific actuator commissioning tools required to optimise potential efficiency improvements when installed. Where applicable, information on the availability of technical documentation to download online should be given.</p> <p>NB: A signed declaration is required to comply with this condition in all cases. Submitting copies of user manuals is not sufficient and not required by this condition.</p>

Important notes for product providers

General

There should be a clear link between the product submitted and all supporting documentation. This will typically take the form of a *product code* or *product name* that can be cross-referenced between the submitted product and the relevant supporting documentation.

If product codes/names have been changed since publication of the supporting documentation, then you must provide official evidence of this with the supporting documentation supplied.

If there is any deviation from these requirements, the supporting documentation will not be considered adequate for the purposes of demonstrating compliance with the criteria conditions. This will in turn delay the submission and/or result in the product not being considered eligible.

Where the ACA criteria or help documentation makes reference to compliance with appropriate rather than specific standards, the onus is on the product provider to ensure that the supporting documentation supplied references recognised standards that apply to the submitted product, i.e. the product must be covered under the scope of a recognised standard.

If it is subsequently found that any product submitted does not meet the performance or specification criteria, it will cease to be considered eligible for the ACA.

Note: When supplying the supporting documentation through the online process, you must ensure, when demonstrating compliance with the relevant condition, that the correct page number(s) of the document is referenced. When referencing more than one page number, add an explanatory note.

Test report

A test report must include an outline of the complete test, including:

- √ Introduction
- √ Details on test conditions
- √ The specific model details of the product tested
- √ The steps taken in the test
- √ The results
- √ Graphical representations
- √ Conclusion

All documents should be on headed paper and the document should be officially signed off. **All documentation must be in English**, or include adequate translation.

Certification

Where certificates are provided, all tests must be carried out by an organisation that is accredited by a national accreditation body, recognised via the European Cooperation for Accreditation (preferred) or the International Accreditation Forum. **All documentation must be in English**, or include adequate translation.

Scientific equivalence

Some ACA criteria conditions allow for scientifically equivalent tests and/or standards to be used.

If a product has not been designed, manufactured or tested to the specific standard named, then documentation relating to an equivalent internationally recognised standard may be used, where the phrase '*or scientific equivalent*' is included in the ACA condition or help documentation.

In such applications, the onus is on the product submitter to demonstrate satisfactory equivalence of the standards. Submissions which reference such supporting documentation may take longer to process. If the product provider does not provide satisfactory evidence of equivalence, then the product will not be considered eligible for the ACA. **All documentation must be in English**, or include adequate translation.

Note: Where specific standards are cited in a condition or in the ACA help documentation, then documentation demonstrating that the relevant products have been designed, manufactured or tested to these specific standards is preferred. Scientific equivalence is considered the exception rather than the norm.

Representative testing

Where test information is required for a range of technically similar products (e.g. configurations of one base product), then – in exceptional instances – a form of representative testing may be used once *agreed in advance* with SEAI.

Such testing is where only representative products are tested from a technically similar group or range of products. Representative testing may form an acceptable basis for supporting documentation if:

- A clear correlation can be demonstrated between the tested product and a technically similar non-tested product
- and*
- Such a correlation clearly demonstrates the compliance of the non-tested product

Note: Where representative testing is used for a group or range of products, if the tested or representative product is removed from the list of eligible products then all related products are also removed.