

**Danfoss A/S**

6430 Nordborg
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EU DECLARATION OF CONFORMITY**Danfoss A/S**

Danfoss Power Solutions, eSteering Business Unit

declares under our sole responsibility that the

Product category: Electrohydraulic Steering

Type designation(s): EHPS type 2 with PVED-CLS s5

Covered by this declaration is in conformity with the following directive(s), regulation(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

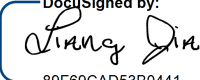
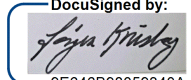
Machinery Directive (2006/42/EC)

The conformity assessment is based on the following harmonized standards:

- EN ISO 12100:2011 Safety of machinery - General principles for design - Risk assessment and risk reduction
- EN ISO 4413:2010 Hydraulic fluid power – General rules and safety requirements for systems and their components
- EN ISO 13849-1:2015 Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design
- EN ISO 13849-2:2014 Safety of machinery – Safety-related parts of control systems – Part 2: Validation

The conformity assessment is based on the following technical standards:

- EN 61508-1:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements
- EN 61508-2:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems
- EN 61508-3:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements

<p>Date: 19 July 2022 Place of issue: 6430 Nordborg, Denmark</p>	<p>Issued by</p> <p>DocuSigned by:  Signature: Name: Liang Jia <small>89F69CAD53B0441...</small> Title: Project Manager</p>	<p>Date: 21 July 2022 Place of issue: 6430 Nordborg, Denmark</p>	<p>Approved by</p> <p>DocuSigned by:  Signature: Name: Jørgen Krusborg <small>9E646B98059340A...</small> Title: Engineering Director</p>
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Danfoss only vouches for the correctness of the English version of this document. In the event of the document being translated into any other language, the translator concerned must be liable for the correctness of the translation.



- EN ISO 25119-1:2018/Amd 1:2020 Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development AMENDMENT 1
- EN ISO 25119-2:2019 Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase
- EN ISO 25119-3:2018/Amd 1:2020 Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software AMENDMENT 1
- EN ISO 25119-4:2018/Amd 1:2020 Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes AMENDMENT 1

The designated product is considered a safety component according to Directive 2006/42/EC, Article 2(c).

As the actuator incorporated into the designated products, PVED-CLS s5 is considered a logic unit to ensure safety according to Directive 2006/42/EC, Annex IV.

The conformity of PVED-CLS s5 with the provision of Directive 2006/42/EC is confirmed, based on the following documents:

- Safety certificate No. Z10 047358 0003, by TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany
- EC type-examination certificate No. M6A 047358 0006, by TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany, Notified Body No. 0123

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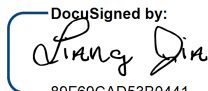
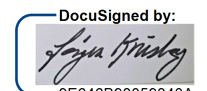
Supply of Machinery (Safety) Regulations 2008:

The conformity assessment is based on the following designated standards:

- EN ISO 12100:2011 Safety of machinery - General principles for design - Risk assessment and risk reduction
- EN ISO 4413:2010 Hydraulic fluid power – General rules and safety requirements for systems and their components
- EN ISO 13849-1:2015 Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design
- EN ISO 13849-2:2014 Safety of machinery – Safety-related parts of control systems – Part 2: Validation

The conformity assessment is based on the following technical standards:

- EN 61508-1:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements
- EN 61508-2:2010 Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems
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- EN ISO 25119-1:2018/Amd 1:2020 Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development AMENDMENT 1

Date: 19 July 2022 Place of issue: 6430 Nordborg, Denmark	Issued by DocuSigned by:  Signature: Name: Liang Jia Title: Project Manager	Date: 21 July 2022 Place of issue: 6430 Nordborg, Denmark	Approved by DocuSigned by:  Signature: Name: Jørgen Krusborg Title: Engineering Director
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- EN ISO 25119-2:2019 Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase
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- EN ISO 25119-4:2018/Amd 1:2020 Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes AMENDMENT 1

The designated products are considered safety components according to The Supply of Machinery (Safety) Regulations 2008, Part 2/4.(2)(c).

As the actuator incorporated into the designated products, PVED-CLS s5 is considered a logic unit to ensure safety functions according to The Supply of Machinery (Safety) Regulations 2008, Annex IV.

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