

EU DECLARATION OF CONFORMITY

Enertronica Santerno S.p.A.

Via della Concia, 7 – Castel Guelfo (BO) - Italy

as a Manufacturer

DECLARES

under its sole responsibility that the Variable Frequency Drives of the **SINUS PENTA XT** series with related accessories and options:

| SINUS PENTA XT | | | | | |
|----------------|---------|---------|---------|---------|---------|
| 0180 4T | 0313 4T | 0599 4T | 0201 6T | 0314 6T | 0526 6T |
| 0202 4T | 0367 4T | 0749 4T | 0218 6T | 0368 6T | 0600 6T |
| 0217 4T | 0402 4T | 0832 4T | 0259 6T | 0401 6T | 0750 6T |
| 0260 4T | 0523 4T | | 0290 6T | 0459 6T | 0828 6T |

and followed by

| | | |
|--------------------------------|---------------------------------|---|
| XA2K2SF (IP21, Switch + Fuses) | XA2K2CB (IP21, Circuit Breaker) | XA2K2BF (IP21, Circuit Breaker + Fuses) |
| XA2K5SF (IP54, Switch + Fuses) | XA2K5CB (IP54, Circuit Breaker) | XA2K5BF (IP54, Circuit Breaker + Fuses) |

which this declaration relates to, when applied under the operating conditions given in the User Manual, following the provisions and comply to the listed standards:

| Directives | Harmonized standards | | Description |
|---|----------------------------|---|--|
| Machine Directive 2006/42/EC Annex VIII and IX | EN 60204-1:2018 | Stop Category 0 | Safety of machinery – Electrical equipment of machines – Part 1: General requirements |
| | EN ISO 13849-1:2015 | Performance Level (PL): PL ‘d’ “Safe Torque Off” | Safety of machinery — Safety related parts of control systems - Part 1: General principles for design |
| | EN 61508-1:2010 | Safety Integrity Level (SIL): SIL 3 “Safe Torque Off” | 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 61800-5-2:2017 | | Adjustable speed electrical power drive systems Part 5-2: Safety requirements – Functional |
| Low Voltage Directive 2014/35/EU | EN 61800-5-1:2007/A11:2021 | | Adjustable speed electrical power drive systems Part 5-1: Safety requirements - Electrical, thermal and energy |
| Electromagnetic Compatibility Directive 2014/30/EU | EN IEC 61800-3:2018 | | Adjustable speed electrical power drive systems. Part 3: EMC requirements and specific test methods |
| Ecodesign 2009/125/EC Regulation (EU) 2019/1781 & 2021/341 | EN 61800-9-2:2017 | | Adjustable speed electrical power drive systems Part 9-2: Ecodesign for power drive systems, motor starters, power electronics and their driven applications - Energy efficiency indicators for power drive systems and motor starters |
| Restriction of the use of certain hazardous substances 2011/65/EU & 2015/863 | EN IEC 63000:2018 | | Tech documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances |

Castel Guelfo, 18 October 2022
Place and Date

Giampaolo Sgubbi
Technical Director



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