

DECLARATION OF CONFORMITY

FOR

The **EMK FITH3** product range

Invertek Drives Ltd
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United Kingdom

hereby declares that the above-named product range has been designed and manufactured in accordance with the following European harmonised standards

Safety:

- EN61800-5-1:2007 & A1:2017 Adjustable speed electrical power drive systems. Safety requirements. Electrical, thermal and energy.
- EN61800-5-2:2017 Adjustable speed electrical power drive systems. Functional safety requirements. [as relevant]

EMC:

- EN61800-3:2004 & A1:2012 Adjustable speed electrical power drive systems. EMC requirements and specific test methods
- EN61000-3-12:2011 Limits for harmonic currents produced by equipment on low voltage systems (>16A and ≤75A per phase)
- EN61000-3-2:2014 Limits for harmonic currents produced by equipment on low voltage systems (<16A per phase)

Eco-design:

- EN61800-9-2:2017 Adjustable speed electrical power drive systems. Energy efficiency indicators.

following provision of the council directives:

- 2014/30/EU (EMC) and 2014/35/EU (LVD)
2006/42/EC (Machinery Directive)
2011/65/EU (RoHS 2)
2009/125/EC (Eco-design)

Supplementary Notes:



The VSDs fulfil the requirements of EN 61000-3-12 without the need for external line reactors according to the THC values specified in Table 3 for values of $R_{sce} > 185$.

Only the "Safe Torque Off" (STO) function of the drive may be used as a safety function of a machine. None of the other functions of the drive can be used to carry out a safety function.

The CE marking and conformity are only valid if the product has been installed in a drive system in accordance with the product User Guide delivered with the product.

DM Jones
R&D Director
Invertek Drives Ltd

Welshpool, 31.08.2018