



EU DECLARATION OF CONFORMITY

The object of the declaration is in conformity with the relevant Union harmonization Legislation
This declaration is issued under the sole responsibility of the manufacturer

Technosoft SA hereby declares that the following

PRODUCT(s): IDM240, IDM640, IDM680

Conform to the
APPLICABLE DIRECTIVES:

2006/42/EC	Machinery Directive
2014/30/EU	Electromagnetic Compatibility (EMC) Directive
2014/35/EU	Low Voltage Directive (LVD)
2011/65/EU	Restriction of the use of hazardous substances (RoHS)
1907/2006/EC	Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
93/68/EEC	CE Marking Directive

By meeting or exceeding the requirements of the following standards:

- 1. Product standard**
 - IEC 61800-5-2:2016 (SIL 3)
Adjustable speed electrical power drive systems – Part 5.2: Safety requirements -Functional
- 2. Functional Safety**
 - EN 61508-1,2&3:2010
Functional Safety of electrical/electronic/programmable electronic safety-related systems Part 1: General requirements; Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems; Part 3: Software requirements
 - EN 62061/ Amendment 2:2015
Safety of machinery – Functional safety of safety-related electrical, electronic and programmable electronic control systems
 - EN ISO 13849-1:2015
Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design
- 3. Electrical Safety**
 - EN 61800-5-1:2007
Adjustable speed electrical power drive systems – Part 5.1: Safety requirements - Electrical, thermal and energy
- 4. Electromagnetic Immunity and Compatibility**
 - EN 61800-3:2004 + Amendment 1:2012
Adjustable speed electrical power drive systems – Part 3: EMC product standard including specific test methods
 - EN 61800-3:2004 + Amendment 1:2012
Adjustable speed electrical power drive systems – Part 3: EMC product standard including specific test methods
 - EN55011: 2009 + Amendment 1: 2010
Radiated Radio Disturbance Characteristics of Industrial, Scientific and Medical Equipment - Class A / Group 1: 30MHz...1GHz, 50...60dBµV/m @10 meter (EN61800-3:2004 Table 18).
Conducted Mains Terminal Radio Disturbance Measurement - Class A / Group 1 : Supply lines, 0.15MHz...30MHz, 46...66dBµV (EN61800-3:2004 Table 14 C1).
- EN61000-4-2: 2009
Electrostatic Discharge (ESD) Immunity Test - Level 2: ±4kV Contact Discharge, Criteria A (EN61800-3:2004 Table 12), Level 3: ±8kV Air Discharge, Criteria A (EN61800-3:2004 Table 12).
- EN61000-4-3: 2006 + Amendment 1: 2008 + Amendment 2: 2011
Radiated Radiofrequency Electromagnetic Field Immunity Test - Level 3, Criteria A : 10V/m, 80MHz...1GHz, 3V/m, 1.4 GHz – 2.0 GHz and 1V/m, 2.0 GHz – 2.7 GHz (EN61800-3:2004 + Amendment1:2011, Table 12)
- EN61000-4-4: 2004 + Amendment 1: 2010
Electrical Fast Transient / Burst Immunity Test - Level 3, Criteria A: Supply lines: ±2kV, Galvanic coupling, Signal lines: ±1kV, Capacitive coupling (3m cables), (EN61800-3:2004 Table 12)
- EN61000-4-5: 2014
Surge Immunity Test - Level 2: Supply lines, ±1kV, line to line (EN61800-3:2004 Table 12)
- EN61000-4-6: 2009
Conducted Disturbances induced by Radiofrequency Fields Immunity Test - Level 3, Criteria A: Signal lines, 10V, 0.15MHz...80MHz (EN61800-3:2004 Table 12)
- EN 61326-3-1:2008
Electrical equipment for measurement, control and laboratory use. EMC requirements. Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety). General industrial applications.
- 5. Environmental tests**
 - EN 61800-5-1:2007
Adjustable speed electrical power drive systems – Part 5.1: Safety requirements - Electrical, thermal and energy.

The products specified are conform to the directives and standards described above, and have been manufactured according to good engineering practice.

CONSULT THE CORRESPONDING USER MANUAL FOR CORRECT INSTALLATION

Neuchâtel, Nov. 2016

TECHNOSOFT SA

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