

# UKCA Declaration of Conformity

## 1. Product range

Mentor MP Adjustable speed DC motor drives, including option modules and accessories.

## 2. Name and address of the manufacturer

Nidec Control Techniques Ltd  
The Gro  
Newtown  
Powys  
SY16 3BE  
UK

Registered in England and Wales  
Company Reg. No. 01236886

## 3. Responsibility

This declaration is issued under the sole responsibility of the manufacturer.

## 4. Object of the declaration

### Variable speed drives

Voltage Rating			Frame
480 V	575 V	690 V	
MP25A4(R), MP45A4(R), MP75A4(R)	MP25A5(R), MP45A5(R), MP75A5(R)		1A
MP105A4(R), MP155A4(R), MP210A4(R)	MP105A5(R), MP155A5(R), MP210A5(R)		1B
MP350A4(R), MP420A4(R), MP550A4(R)	MP350A5(R), MP470A5(R)	MP350A6(R), MP470A6(R)	2A
MP700A4(R), MP825A4(R), MP900A4(R)	MP700A5(R), MP825A5(R)	MP700A6(R), MP825A6(R)	2B
MP1200A4, MP1850A4	MP1200A5, MP1850A5	MP1200A6, MP1850A6	2C
MP1200A4R, MP1850A4R	MP1200A5R, MP1850A5R	MP1200A6R, MP1850A6R	2D

The model number may be followed by additional characters that do not affect the ratings.

### Accessories

Model No.	Model number
Option modules	SM-Universal Encoder Plus, SM-Encoder Plus, SM-Encoder Output Plus, 15-way D-type converter, Single ended encoder interface, SM-I/O Plus, SM-I/O 32, SM I/O Lite, SM I/O Timer, SM-I/O PELV, SM I/O 120V, SM-I/O 24V Protected, SM-Applications Plus, SM-Applications Lite V2, SM-Register, SM-Profibus DP-V1, SM-DeviceNet, SM-Interbus, SM-CANopen, SM-Ethernet, SM-EtherCAT,
External field controller	FXMP25
Displays, keypads and other accessories	SM-Keypad, MP-Keypad, CT Comms cable,

## 5. Declaration

The object of the declaration is in conformity with the relevant UK statutory requirements.

UK Regulations
Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

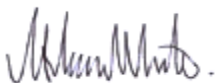
## 6. References to the relevant designated British standards

The variable speed drive products listed above have been designed and manufactured in accordance with the following designated British standards:

BS EN 61800-5-1:2007	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy
BS EN 61800-3: 2004 + A1: 2012	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods
BS EN 61000-6-2: 2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
BS EN 61000-6-4: 2007+ A1: 2011	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
BS EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current ≤16 A per phase)
BS EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker in public, low voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection

BS EN 61000-3-2: 2014 Applicable where input current < 16 A. No limits apply for professional equipment where input power ≥ 1 kW.

## 7. Responsible person



Jon Holman-White  
Vice President of Research and Development  
Nidec Control Techniques Ltd  
Date: 20<sup>th</sup> February 2023  
Newtown, Powys, UK.

## UKCA Declaration of Conformity

### **IMPORTANT NOTE**

These electronic drive products are intended to be used with appropriate motors, controllers, electrical protection components and other equipment to form complete end products or systems. Compliance with safety and EMC regulations depends upon installing and configuring drives correctly, including using the specified input filters.

The drives must be installed only by professional installers who are familiar with requirements for safety and EMC. Refer to the Product Documentation. An EMC data sheet is available giving detailed information. The assembler is responsible for ensuring that the product or system complies with all the relevant laws in the country where it is to be used.