

## 1. Product range

Commander S-series general purpose variable speed AC motor drives

## 2. Name and address of the manufacturer and authorised representative

| Manufacturer   | Authorised representative:   |
|--|--|
| Nidec Control Techniques Ltd<br>The Gro<br>Newtown<br>Powys<br>SY16 3BE<br>UK<br>Registered in England and Wales.<br>Company Reg. No. 01236886 | Nidec Netherlands B.V.<br>Kubus 155<br>3364 DG Slidrecht<br>Netherlands. |

## 3. Responsibility

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

## 4. Object of the declaration

| Model No. | Interpretation      | Model number nomenclature S100 - aabcdef                                      |
|-----------|---------------------|---|
|           | Basic series        | S100  |
| aa        | Frame Size          | 01, 02, 03  |
| b         | Voltage Rating      | 1 = 100 V, 2 = 200 V, S = 200 V 1 ph, D = 200 V 1/3 ph, 4 = 400 V             |
| c         | Current Index       | 0 to 9  |
| d         | Internal EMC filter | 1 = C1, 3 = C3  |
| e         | Version             | 0   |
| f         | Customisation       | 1 = EMEA and Pacific, B = Americas, C = LS, K = customer specific, h = others |

## 5. Declaration

The object of the declaration is in conformity with the relevant European Union harmonisation legislation.

| EU Directives and regulations   |
|---|
| Low Voltage Directive (2014/35/EU)                                      |
| Electromagnetic Compatibility Directive (2014/30/EU)                    |
| Restriction of Hazardous Substances Directive (2011/65/EU)              |
| Regulation 2019/1781 of directive 2009/125/EC (Energy related products) |

## 6. References to the relevant harmonised EN standards

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

|                             |   |
|-----------------------------|---|
| EN 61800-5-1:2007 + A1:2017 | Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy  |
| EN 61800-3: 2018            | Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods  |
| EN 61000-6-2: 2019          | Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments  |
| EN 61000-6-4: 2019          | Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments   |
| EN 61000-3-2:2018           | Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current ≤16 A per phase)   |
| EN 61000-3-3:2019           | 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 |

## 7. Responsible person



Jon Holman-White  
Vice President, Research and Development  
Nidec Control Techniques Ltd  
Date: 1<sup>st</sup> March 2021  
Newtown, Powys, UK.

## IMPORTANT NOTE

These products are Basic Drive Modules, intended to be used with motors, controllers, electrical protection components and other equipment to form Power Drive Systems. Compliance with safety and EMC regulations depends upon installing and configuring the drive modules correctly.

The drives must be installed only by professional installers who are familiar with requirements for safety and EMC. Refer to the Safety information and Installation instructions supplied with the drive. The installer is responsible for ensuring that the Power Drive System complies with all applicable laws in the country where it is to be used.