



## UK Declaration of Conformity

For the following equipment :

Product Name: Variable Frequency Drive

Model Designation: VFD-750C-230

The designated product(s) is(are) in conformity with the relevant legislation:

**The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012:** SI 2012 No. 3032

**Electrical Equipment (Safety) Regulations 2016 :**

BS EN 61800-5-1:2007+A1+A11

TUV certificate No : R50603552

**Electrical Compatibility Regulations 2016 :**

**EMI (Electro-Magnetic Interference)**

Conducted emission / Radiated emission

|                  |                        |          |
|------------------|------------------------|----------|
|                  | BS EN IEC 61800-3:2018 | Class A  |
| Harmonic current | BS EN IEC 61800-3:2018 | Class A  |
| Voltage flicker  | BS EN IEC 61800-3:2018 | Clause 5 |

**EMS (Electro-Magnetic Susceptibility)**

BS EN IEC 61800-3:2018

|                                 |   |         |   |
|---------------------------------|---|---------|---|
| ESD air                         | BS EN 61000-4-2:2009                            | Level 3 | 8KV   |
| ESD contact                     | BS EN 61000-4-2:2009                            | Level 2 | 4KV   |
| RF field susceptibility         | BS EN IEC 61000-4-3:2020                        | Level 3 | 10V/m(80MHz-1.0GHz)<br>3V/m(1.4GHz-2.0GHz)<br>1V/m(2.0GHz-2.7GHz)   |
| EFT bursts                      | BS EN 61000-4-4:2012                            | Level 3 | 2KV/5KHz  |
| Surge susceptibility            | EN 61000-4-5:2014+A1:2017                       | Level 3 | 1KV/Line-Line   |
| Surge susceptibility            | EN 61000-4-5:2014+A1:2017                       | Level 3 | 2KV/Line-Earth  |
| Conducted susceptibility        | BS EN 61000-4-6:2014                            | Level 3 | 10V   |
| Magnetic field immunity         | BS EN 61000-4-8:2010                            | Level 4 | 30A/m<br>0% residual voltage for 0.5 cycles , 0% residual voltage for 1 cycles ,70% residual voltage for 25 cycles , 0% residual voltage for 250 cycles |
| Voltage dip, interruption       | EN IEC 61000-4-11:2020                          |         |   |
| Voltage deviation               | IEC 61000-2-4 Class 2                           |         | -15% Un +10% Un   |
| Total Harmonic distortion (THD) |   |         |   |
| Individual Harmonic orders      | IEC 61000-2-4 Class 3<br>IEC 61000-4-13 Class 3 |         | THD 12 %  |
| Frequency variations            | IEC 61000-2-4                                   |         | ±4%   |
| Frequency rate of change        | IEC 61800-3:2018                                |         | 2%/s  |

**Note:**

The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete system, the final equipment manufacturers must re-qualify EMC Regulations on the complete system again.

For guidance on how to perform these EMC tests, please refer to TDF (Technical Documentation File).

This Declaration is effective from serial number SC3xxxxxxx

**Person responsible for marking this declaration :**

MEAN WELL Enterprises Co., Ltd.

(Manufacturer Name)

No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891, Taiwan

(Manufacturer Address)

Aries Jian/ Director, Group R&D :

(Name / Position)

*Aries*  
(Signature)

Alex Tsai/ Director, Product Strategy Center :

(Name / Position)

*[Signature]*  
(Signature)

Taiwan

(Place)

Oct. 20th, 2023

(Date)