



Industrial Shields®

# UK Declaration of Conformity (n. 0078)

This declaration is issued to attest conformity to:

**Product model:** MDUINO PLC Arduino Ethernet & M-BUS 19R I/Os Analog/Digital PLUS

**Reference:** 035002000100

**Product description:** *Industrial PLC based on Arduino Mega, EMC regulation.*

**Manufacturer's Name and Address:** Boot & Work Corp, S.L  
C/ Camí del Grau 25  
08272 Sant Fruitós del Bages

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

The object of the declaration described is confirmed to be in conformity with the legislation **2016/1091** and **2017/1206** of the United Kingdom regarding Electromagnetic compatibility Regulations and Radio Equipment Regulations and **2012/3032** for the restriction on use of certain hazardous substances in electrical and electronic equipment (RoSH).

For the Electromagnetic compatibility Regulations and Radio Equipment Regulations assessment, the following standards were applied:

- Emission:

- IEC 61131-2:2007 Clause 8: EMC Zone A/B and Clause 11 LVD
- IEC 61000-6-4:2007 Generic standards. Emission in industrial environments.

- Immunity:

- IEC 61000-6-2:2005 Generic standards. Immunity in industrial environments.
- IEC 61131-2:2007 Programmable controllers. Requirements and tests.



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### **Compliance with RoHS:**

EU Directives 2011/65/EU and 2015/863/EU restrict the use of the following 10 substances in the manufacturing of certain specific types of electrical equipment. While the restriction is not legally applicable to components, it is acknowledged that compliance is relevant to many customers.

Definition of RoHS directive compliance:

- RoHS compliant means that the product does not contain any of the restricted substances in concentrations and applications prohibited by the directive (per components).

The restricted substances and their maximum allowed concentrations in the homogeneous environment.

Substance concentrations:

Lead 0.1%

Mercury 0.1%

PBB 0.1%

PBDE 0.1%

Hexavalent Chromium 0.1%

Cadmium 0.01%

DEHP 0.1%

BBP 0.1%

DBP 0.1%

DIBF 0.1%

This verification is based on a single assessment of one of the aforementioned products, and it does not imply an evaluation of the entire production and does not permit the use of the laboratory test logo.

Signed for and on behalf of Industrial Shields, a brand owned by Boot & Work Corp, S.L.

Sant Fruitós de Bages, 7 February 2024

Albert Prieto, CEO