

Declaration of Conformity

according to the UK regulations

2016 No. 1101 **The Electrical Equipment (Safety) Regulations 2016**
2016 No. 1091 **The Electromagnetic Compatibility Regulations 2016**
2012 No. 3032 **The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012**

The devices:
Manufacturer: **Pfannenber GmbH**
Product: **Flashing Light**
Type: **Quadro F12-SIL, PMF 2015-SIL**

were developed, designed and manufactured to comply with the above-mentioned UK regulations, under the sole responsibility of:

Pfannenber GmbH
Werner-Witt-Str. 1
D-21035 Hamburg

The following designated standards were applicable:

EN ISO 13849-1:2015	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design
EN ISO 13849-2:2012	Safety of machinery - Safety-related parts of control systems - Part 2: Validation
EN 61508-1:2010	Functional safety of electrical / electronic / programmable electronic safety-related systems - Part 1: General requirements
EN 61508-2:2010	Functional safety of electrical / electronic / programmable electronic safety-related systems - Part 2: Requirements for electrical / electronic / programmable electronic safety-related systems
EN 61508-3:2010	Functional safety of electrical / electronic / programmable electronic safety-related systems - Part 3: Software requirements
EN 61511-1:2017 + A1:2017	Functional safety - Safety instrumented systems for the process industry sector - Part 1: Framework, definitions, system, hardware and application programming Requirements
EN 61000-6-2:2005 + AC:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-3:2007 +	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-
EN 60529:1991 + A1:2000 +	Degrees of protection provided by enclosures (IP Code)
EN 60947-1:2007 + A1:2011	Low-voltage switchgear and controlgear - Part 1: General rules
EN 60947-5-1:2017	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control
EN 54-23:2010	Fire detection and fire alarm systems - Part 23: Fire alarm devices - Visual alarm devices
EN 50130-4:2011 + A1:2014	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of
EN 62471:2008	Photobiological safety of lamps and lamp systems
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous

The manufacturer is in possession of the technical documentation, the installation/operation instruction is attached to the device. The safety references are to be considered. This explanation certifies the agreement with the guidelines mentioned. Year of affixing the UKCA-mark :21

Hamburg, September-21

Rev. No.: 00
P/N 085507036


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