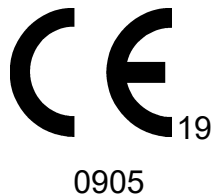


NITTAN

EC & UKCA DECLARATION OF PERFORMANCE

No: 00641



This declaration was compiled following the provisions of EU Construction Products Regulation CPR No.305/2011 & UKCA SI 465/2019

EV-IO-420 – 4-20mA Input / Output Module with Isolator

Part numbers: F16-82255

Manufacturer: Nittan Europe Ltd, Old Woking, Surrey GU22 9LQ England

We, Nittan Europe Limited of Hipley Street, Old Woking, Surrey GU22 9LQ England, declare that the above listed products comply with the following:

Standard EN 54-17: 2005 / AC: 2007 Short Circuit Isolators.

Standard EN 54-18: 2005 / AC: 2007 Input / Output Devices.

EMC Directive 2014/30/EU & Electromagnetic Compatibility Regulations 2016 UK

RoHS Directive (EU) 2015/863 & Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 UK

Low Voltage Directive (LVD) 2014/35/EU & Electrical Equipment (Safety) Regulations 2016 UK

The intended use for the construction product is Fire Detection and Alarm Systems.

90789 Intertek Deutschland GmbH, StangenstraBe 1, 70771 Leinfelden-Echterdingen Notified body No. 0905, have conducted Type testing and Factory Production Control Inspection in accordance with System 1, as set out in the CPR, and issued an EC Certificate of Constancy of Performance 0905-CPR-00641.

Intertek UK, Cleeve Road, Leatherhead, Surrey, KT22 7SA Notified body number 0359, have issued the UKCA certification 0359-UKCA CPR-00010 in accordance with UKCA SI 465/2019.

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Declared Performance:

Technical Characteristics	Performance	Harmonised Specification
Operating Voltage	20 to 38 Vdc	EN 54-17: 2005 / AC: 2007 & EN 54-18: 2005 / AC: 2007
Quiescent Current	630 μ A	
Alarm Current (Including Indicator)	7.8 mA	
Operating Temperature	-10°C to +55°C	
Relative Humidity	\leq RH 95%	
Dimensions	\varnothing 125mm x 175mm	
Mass	435g	EN 54-17: 2005 / AC: 2007
Minimum switch open Voltage (Vso min)	11 Vdc	
Maximum switch open Voltage (Vso max)	14 Vdc	
Minimum switch close Voltage (Vsc min)	3 Vdc	
Maximum switch close Voltage (Vsc max)	10 Vdc	
Maximum Line Current (Ic max)	500 mA	
Maximum Switching Current (Is max)	1500 mA	
Maximum Leakage Current (Il max)	15 mA	
Maximum Switch Resistance (Zc max)	150 m Ω	
Performance under Fire conditions	Pass	
Operational Reliability	Pass	EN 54-17: Clause 4
Durability: Temperature Resistance	Pass	EN 54-17: Clauses 5.4, 5.5
Durability: Vibration Resistance	Pass	EN 54-17: Clauses 5.9, 5.12
Durability: Humidity Resistance	Pass	EN 54-17: Clauses 5.6, 5.7
Durability: Corrosion Resistance	Pass	EN 54-17: Clauses 5.8
Durability: Electrical Stability	Pass	EN 54-17: Clauses 5.3, 5.13
Response Delay	Pass	EN 54-18: Clauses 5.2
Performance under Fire conditions	Pass	EN 54-18: Clauses 5, 1.4
Operational Reliability	Pass	EN 54-18: Clauses 5, 1.4
Durability: Temperature Resistance	Pass	EN 54-18: Clauses 5.3, 5.4
Durability: Vibration Resistance	Pass	EN 54-18: Clauses 5.8 to 5.11
Durability: Humidity Resistance	Pass	EN 54-18: Clauses 5.5, 5.6
Durability: Corrosion Resistance	Pass	EN 54-18: Clauses 5.7
Durability: Electrical Stability	Pass	EN 54-18: Clauses 5.2, 5.12



Robert Barnes
Quality Manager

4th June 2021

