

NITTAN

EC & UKCA DECLARATION OF PERFORMANCE

No: 00239



0905



0359

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

EV-B-SCI – Short Circuit Isolator Base

Part numbers: F03-83605

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 EN54-17: 2005 / AC: 2007 Short Circuit Isolators.

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, Stangenstraße 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-00239.

Intertek UK, Cleeve Road, Leatherhead, Surrey, KT22 7SA Notified body number 0359, have issued the UKCA certification 0359-UKCA CPR-00002 in accordance with UKCA SI 465/2019.

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Declared Performance:

| Essential Characteristics | Performance | Harmonised Specification |
|------------------------------------|------------------------------|----------------------------|
| Operating Voltage | 22 V d.c. to 38 V d.c. | EN54-17: 2005 / AC: 2007 |
| Nominal Voltage | 35 V d.c. | |
| Quiescent Current | 60 μ A | |
| Current when Short Circuit | 13 mA | |
| Operating Temperature | -10°C to +55°C | |
| Relative Humidity | \leq RH 95% | |
| Dimensions | \varnothing 104mm x 15.0mm | |
| Mass | 70 g | |
| Minimum Sw Open Voltage (Vso min) | 9 V d.c. | EN54-17: 2005 / AC: 2007 |
| Maximum Sw Open Voltage (Vso max) | 11 V d.c. | |
| Minimum Sw Close Voltage (Vsc min) | 10 V d.c. | |
| Maximum Sw Close Voltage (Vsc max) | 12 V d.c. | |
| Maximum Line Current (Ic max) | 800 mA | |
| Maximum Switching Current (Is max) | 1500 mA | |
| Maximum Leakage Current (Il max) | 13 mA | |
| Maximum Switch Resistance (Zc max) | 120 m Ω | |
| Performance under Fire conditions | Pass | EN54-17: Clause 5.2 |
| Operational Reliability | Pass | EN54-17: Clause 4 |
| Durability: Temperature Resistance | Pass | EN54-17: Clauses 5.4, 5.5 |
| Durability: Vibration Resistance | Pass | EN54-17: Clauses 5.9, 5.12 |
| Durability: Humidity Resistance | Pass | EN54-17: Clauses 5.6, 5.7 |
| Durability: Corrosion Resistance | Pass | EN54-17: Clauses 5.8 |
| Durability: Electrical Stability | Pass | EN54-17: Clauses 5.3, 5.13 |
| Ingress Protection | IP22 | EN60529:1991 + A1:2000 |



Robert Barnes
Quality Manager

4th June 2021

