

# Certificate of Constancy of Performance

This is to certify that:

Advanced Electronics Limited  
The Bridges, Balliol Business Park  
Benton Lane  
Newcastle-upon-Tyne  
NE12 8EW  
United Kingdom

Holds Certificate Number:

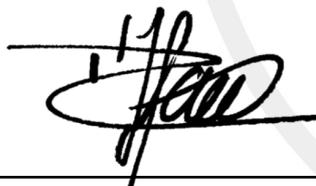
2797 CPR 775394

In respect of:

**EN 54-17: 2005 & EN 54-18: 2005**  
**Short Circuit Isolator & Input / Output Devices**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):



Drs. Dave Hagenaaars, Managing Director

First Issued: 2022-10-04

Latest Issue: 2022-10-04

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No. 2797 CPR 775394

Manufacturing Plant:

**Argus Security Srl**  
Via del Canneto, 14  
Valle delle Noghere  
Muggia  
Trieste  
34015  
Italy

**Short Circuit Isolators and Input / Output Devices – EN 54-17:2005+AC:2007  
and EN 54-18:2005+AC:2007.**

## Product Information

Model Reference	Type
20-VMI100-ADV	Monitored Loop Powered Input Module
20-VMC100-ADV	Monitored Loop Powered Output Module
20-VMC120-ADV	Loop Powered Relay Output Module
20-VMIC100-ADV	Monitored Loop Powered Input / Output Module
20-VMIC120-ADV	Loop Powered Relay Input / Output Module
20-VMMI100-ADV	Monitored Mini Loop Powered Input Module
20-VMMC100-ADV	Mini Monitored Loop Powered Output Module
20-VMMC120-ADV	Mini Loop Powered Relay Output Module
20-VMMIC100-ADV	Mini Monitored Loop Powered Input / Output Module
20-VMMIC120-ADV	Mini Loop Powered Relay Input / Output Module

**Note:** The input / output modules listed above provide short circuit isolation capability to the requirements of EN 54 Part 17.

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## Appendix 1

Harmonised Technical Specification		EN 54-17:2005
Essential Characteristics	Performance	Clause
<b>Performance under fire conditions</b>		
Reproducibility	Pass	5.2
<b>Operational Reliability</b>		
Requirements	Pass	4
<b>Durability of Operational Reliability</b>		
Dry heat	Pass	5.4
Cold (operational)	Pass	5.5
Damp heat, cyclic (operational)	Pass	5.6
Damp heat, steady state (endurance)	Pass	5.7
Sulphur dioxide (SO <sub>2</sub> ) corrosion	Pass	5.8
Shock (operational)	Pass	5.9
Impact (operational)	Pass	5.10
Vibration, sinusoidal (operational)	Pass	5.11
Vibration, sinusoidal (endurance)	Pass	5.12
<b>Durability of Operational Reliability, Electrical Stability</b>		
Variation in supply parameters	Pass	5.3
Electromagnetic compatibility (EMC), immunity tests (operational)	Pass	5.13

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## Appendix 1 (continued)

Harmonised Technical Specification		EN 54-18:2005
Essential Characteristics	Performance	Clause
<b>Response Delay (response time)</b>		
Performance and variation of supply parameters	Pass	5.2
<b>Performance under fire conditions</b>		
Functional test	Pass	5.1.4
<b>Operational Reliability</b>		
Functional test	Pass	5.1.4
<b>Durability of Operational Reliability</b>		
Dry heat	Pass	5.3
Cold (operational)	Pass	5.4
Damp heat, cyclic (operational)	Pass	5.5
Damp heat, steady state (endurance)	Pass	5.6
Sulphur dioxide (SO <sub>2</sub> ) corrosion	Pass	5.7
Shock (operational)	Pass	5.8
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