


<b>Hacousto Holland bv</b> Industrieweg 87 2651BC Berkel & Rodenrijs		
	Author:	AJH
	OD 16.41 FIM-01 DoP V01R02	

Rev.	Date	Nature of Changes	Approved By
01	01-03-2018	DoP added to FIM marking	AJH
02	07-01-2020	Signature change	AJH
03	14-01-2021	Cert # revision	AJH

## Declaration of Performance

**No. 0560 – CPR – 142190002-01**

1. Unique identification code of the product-type:	Loopdrive® Fault Isolator Module
2. Type, batch or serial number or other identification:	Loopdrive® Fault Isolator Module
Description:	Short-circuit isolator module for loudspeaker lines
3. Intended use:	Short-circuit isolator module for loudspeaker lines in Voice alarm systems
4. Manufacturer:	A1 Electronics Netherlands b.v. Bedrijvenpark Twente 1, 7602KA Almelo Netherlands
5. Authorised representative:	Hacousto Holland b.v. Industrieweg 87, 2651BC Berkel en Rodenrijs Netherlands
6. System or systems of assessment:	System 1+
7. Construction product covered by a harmonised standard:	EN 54-17:2005
Notified Body:	Telefication B.V. Edisonstraat 12A, 6902PK Zevenaar Netherlands
with the Notified Body number	0560
Performed	Determination of the product-type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product, Initial inspection of the manufacturing plant and of FPC, Continuous surveillance, assessment and evaluation of FPC, Audit testing of samples taken before placing the product on the market
under system	System 1+
and issued Certificate of Constancy of Performance / Certificate of Conformity:	0560 – CPR – 142190002-01
8. <i>not applicable</i>	
9. Declared performance:	

EN 54-17:2005 Fire Detection and Fire Alarm Systems - Short Circuit Isolators		
Essential characteristics	Performance	Harmonised technical specification
Compliance	Pass	EN 54-17:2005 4.1
Integral status indication	Pass	EN 54-17:2005 4.2
Connection of ancillary devices	Pass	EN 54-17:2005 4.3
Manufacturer's adjustments	Pass	EN 54-17:2005 4.5
On site adjustments	Pass	EN 54-17:2005 4.6
Marking	Pass	EN 54-17:2005 4.7
Data	Pass	EN 54-17:2005 4.8
Additional requirements for software controlled short circuit isolators	Pass	EN 54-17:2005 4.9
Reproducibility	Pass	EN 54-17:2005 5.2
Variation in supply voltage	Pass	EN 54-17:2005 5.3
Dry heat (operational)	Pass	EN 54-17:2005 5.4
Cold (operational)	Pass	EN 54-17:2005 5.5
Damp heat cyclic (operational)	Pass	EN 54-17:2005 5.6
Damp heat steady state (endurance)	Pass	EN 54-17:2005 5.7
Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	Pass	EN 54-17:2005 5.8
Shock (operational)	Pass	EN 54-17:2005 5.9
Impact (operational)	Pass	EN 54-17:2005 5.10
Vibration, sinusoidal (operational)	Pass	EN 54-17:2005 5.11

**Hacousto Holland bv**  
Industrieweg 87  
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Vibration, sinusoidal (endurance)	Pass	EN 54-17:2005 5.12
EMC immunity: Electrostatic discharge (operational)	Pass	EN 54-17:2005 5.13
EMC immunity: Radiated electromagnetic fields (operational)	Pass	EN 54-17:2005 5.13
EMC immunity: Conducted disturbances induced by electromagnetic fields (operational)	Pass	EN 54-17:2005 5.13
EMC immunity: Fast transient bursts (operational)	Pass	EN 54-17:2005 5.13
EMC immunity: Slow high energy voltage surge (operational)	Pass	EN 54-17:2005 5.13

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Albert van der Hout BU manager, Hacousto Holland bv (4EVAC)

.....  
(name and function)

Berkel en Rodenrijs, 14-01-2021

.....  
(place and date of issue)

  
.....  
(signature)