



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽⁴⁾/ APPROVAL EXTENDED ⁽¹⁾/
~~APPROVAL REFUSED ⁽⁴⁾/ APPROVAL WITHDRAWN ⁽⁴⁾/ PRODUCTION DEFINITELY
DISCONTINUED ⁽⁴⁾~~ OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY ⁽¹⁾ WITH
REGARD TO REGULATION NO. 10.04



Approval No: E11 10R-047779

Extension No 02

1. Make (trade name of manufacturer): Brigade Electronics Plc.
2. Type and general commercial description(s): Peripheral Timer Product (Family)
3. Means of identification of type, if marked on the vehicle/component/ separate technical unit: ⁽¹⁾

TCO-47, TCO-47(XXX), TCO-47(01), TCO-47(01)-R, TCO-47(01)(XXX), TCO-47(01)-ECU(AMP), TCO-47-ECU, TCO-47-ECU(XXX), NS-2, NS-2(XXX), NS-2-ECU, NS-2-ECU(XXX), NS-3, NS-3(XXX), NS-3-ECU, NS-3-ECU(XXX), EC-009, EC-009(XXX), EC-009-ECU, EC-009-ECU(XXX)


(Where "X" can represent any character for any associated variant. Bespoke models can have reduced electronic component population and cabling, software changes, customized settings or differing equipment connections)

- 3.1. Location of that marking: Back of the product housing by an adhesive label

4. Category of vehicle: Not applicable

5. Name and address of manufacturer:

Brigade Electronics Group PLC
The Mills
Station Road
South Darenth
Kent
DA4 9BD
United Kingdom

6. In the case of components and separate technical units, location, and method of affixing of the approval mark: On the adhesive label applied on the back of the product.
 7. Address(es) of assembly plant(s):
Unit 107-109
The Burrows, East Goscote
Leicester LE7 3XD
United Kingdom
 8. Additional information (where applicable): See appendix
 9. Technical Service responsible for carrying out the tests: SGS United Kingdom Limited
 10. Date of test report As before and letter dated 03 March 2023
 11. No. of test report As before and AUT313145/1
 12. Remarks (if any):
See appendix
 13. Place: BRISTOL
 14. Date: 10 MARCH 2023
 15. Signature: 
C MCCABE
Chief Technical and Statutory Operations Officer
 16. The index to the information package lodged with the Approval Authority, which may be obtained on request, is attached.
 17. Reasons for extension: Simplify and reduce the technical content of the technical pack
- (1) Strike out what does not apply.

Appendix

to type-approval communication form No. E11 10R-047779

concerning the type-approval of an electrical/electronic sub-assembly under Regulation No. 10.04

1. Additional information:
 - 1.1. Electrical system rated voltage: V. pos/neg ground ⁽¹⁾ 12V – 24V DC, negative ground
 - 1.2. This ESA can be used on any vehicle type with the following restrictions:
 - 1.2.1. Installation conditions, if any: See instructions with the product
 - 1.3. This ESA can be used only on the following vehicle types: Not applicable
 - 1.3.1. Installation conditions, if any: Not applicable
 - 1.4. The specific test method(s) used, and the frequency ranges covered to determine immunity were: (Please specify precise method used from Annex 9): Not applicable
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS United Kingdom Limited, Durham, United Kingdom.
2. Remarks:

(1) Strike out what does not apply.