



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

COMMUNICATION CONCERNING APPROVAL GRANTED OF A TYPE OF ELECTRONIC SUB-
ASSEMBLY WITH REGARD TO REGULATION NO. 10.05



Approval No: E11*10R05/01*11843*00

1. Make (trade name of manufacturer): Brigade Electronics Group PLC
2. Type and general commercial description(s): Bacsense® LED Display
3. Means of identification of type, if marked on the separate technical unit:
BS-8100D, BS-8100D-D, BS-81XXXXXXXXXX

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: Adhesive label applied to the bottom face of the product housing
4. Category of vehicle: Not applicable
5. Name and address of manufacturer:
Brigade Electronics Group PLC
Brigade House
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 to the bottom face of the product housing as stated in item 3.1

7. Address(es) of assembly plant(s):

No 78, Gongye 3rd Road Technology
Industrial Park
Tainan City
70955 Taiwan
Republic of China

8. Additional information (where applicable): See Appendix

9. Technical Service responsible for carrying out the tests: SGS UK Ltd

10. Date of test report: 20 September 2022

11. No. of test report: AUT306052/1/R/22

12. Remarks (if any): See Appendix

13. Place: BRISTOL

14. Date: 21 OCTOBER 2022

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:

Not applicable

Appendix

to type-approval communication form No. E11*10R05/01*11843*00
concerning the type-approval of an electrical/electronic sub-assembly under Regulation No. 10.05

1. Additional information:
 - 1.1. Electrical system rated voltage: 12 / 24 Volt DC Vehicles, Product must always use a negative ground
 - 1.2. This ESA can be used on any vehicle type with the following restrictions: Not applicable
 - 1.2.1. Installation conditions, if any:
Not applicable
 - 1.3. This ESA can be used only on the following vehicle types: 12 / 24 Volt DC Vehicles, Product must always use a negative ground
 - 1.3.1. Installation conditions, if any: See manufacturer's instructions
 - 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):

20 to 200MHz (BCI at 60 m-Amps), 200 to 2000MHz (Free field at 30 V/m).
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: SGS UK Limited, Durham, United Kingdom.
2. Remarks: None