



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY


COMMUNICATION CONCERNING THE APPROVAL GRANTED ⁽¹⁾/ APPROVAL EXTENDED ⁽¹⁾/
APPROVAL REFUSED ⁽¹⁾/ APPROVAL WITHDRAWN ⁽¹⁾/ PRODUCTION DEFINITELY
DISCONTINUED ⁽¹⁾ OF A TYPE OF ELECTRICAL/ ELECTRONIC SUB-ASSEMBLY ⁽¹⁾ WITH
REGARD TO REGULATION NO. 10.05



Approval No: E11*10R05/01*10524*01

1. Make (trade name of manufacturer): Marelko Benelux B.V.
2. Type and general commercial description(s):
Corner Module 5-20166-x & Break-Out Box 6-20424
3. Means of identification of type, if marked on the ~~vehicle~~/component/~~separate technical unit~~: ⁽¹⁾
All components are individually labelled
 - 3.1. Location of that marking: Label / lens cover
4. Category of vehicle: Not applicable
5. Name and address of manufacturer:

Haztec International Ltd.
Moorfield Estate
Leeds
LS19 7BN
United Kingdom
6. In the case of components and separate technical units, location and method of affixing of the approval mark: Label / lens cover

7. Address(es) of assembly plant(s): See item 5
 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 technical review letter 07 February 2019
 11. No. of test report: As before and technical review letter AUT264366/1
 12. Remarks (if any):
See appendix
 13. Place: BRISTOL
 14. Date: 12 FEBRUARY 2019
 15. Signature:  D LAWLOR
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: Change item 1 trade name to read: Marelko Benelux B.V.
- (1) Strike out what does not apply.

Appendix

to type-approval communication form No. E11*10R05/01*10524*01

concerning the type-approval of an electrical/electronic sub-assembly under Regulation No. 10.05

1. Additional information:

1.1. Electrical system rated voltage: 12/24V. ~~pæs~~/neg ground ⁽¹⁾

1.2. This ESA can be used on any vehicle type with the following restrictions: 12/24v neg ground

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):
BCI 20 to 200MHz 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 United Kingdom Limited (Durham, United Kingdom)

2. Remarks: None

(1) Strike out what does not apply.



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

APPROVAL NUMBER: E11*10R05/01*10524*01

INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Conformity of Production (COP) Declaration COP Confirmed

Assessment Method ISO/TS Cert and Control Plans

Date of Initial Clearance September 2013

Date of Last Clearance September 2018

Total number of sheets: 02 (Two)

Reasons for Revision: Not applicable

Revision Date
&

Office Stamp



ECE Reg 10.05 information regarding
approval for E-marking of Component/STU.

General Details: change section 1 trade name to read: Marelko Benelux B.V.

- Section 1 Make. (trade name of manufacturer)
Marelko Benelux B.V.
- Section 2 Type: General Commercial Description.
Corner Module 5-20166-x & Break-Out Box 6-20424.
- Section 3 Means of identification of type, if marked on the Component/STU.
All components are individually labelled
- Section 3.1 State where the identification / model number is situated on the
product, and how it is marked.
Label / lens cover
- Section 4 Name and address of Manufacturer
Haztec International Ltd
Moorfield Estate
Leeds
LS19 7BN
- Section 4.1 Name and address of Manufacturer's representative inside the
European Union.
- Section 5 State how and where the type approval E mark will be affixed
Label / lens cover
- Section 6 Address(es) of assembly plant(s)
Haztec International Ltd
Moorfield Estate
Leeds
LS19 7BN
- Section 7 This product shall be approved as a component/STU (delete as
applicable) Component.
- Section 8 Restrictions of use and conditions for fitting.
See instructions with the products.
- Section 9 Electrical system rated voltage Positive/negative Ground.
12-24V DC for most components



Only applicable for charging systems: (REESS)

Section 10 Charger: on board/external?
N/A.

Section 11 Charging current: direct current/alternating current (number of phases/frequency²).
N/A.

Section 12 Maximal nominal current (in each mode if necessary).
N/A.

Section 13 Nominal charging voltage.
N/A.

Section 14 Basic ESA interface functions: ex. L1/L2/L3/N/PE/control pilot.
N/A.

Section 15 Minimum R_{sce} value (see paragraph 7.11. of this Regulation.
N/A.