

THE NETHERLANDS
(NEDERLAND)

COMMUNICATION

Concerning⁽¹⁾:



- approval granted
- ~~approval extended~~
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of electrical/electronic sub-assembly⁽¹⁾ with regard to Regulation number 10.**Approval number: E4*10R05/01*4060*00**

1. Make (trade name of manufacturer) : Mastervolt
2. Type and general commercial description(s) : Mass Combi Ultra 12/3000
3. Means of identification of type, if marked on the ~~vehicle/component/~~ separate technical unit⁽¹⁾ : By means of a sticker identification label
 - 3.1. Location of that marking : On the right side
4. Category of vehicle : All
5. Name and address of manufacturer : Mastervolt B.V.
Snijdersbergweg 93
1105 AN Amsterdam Z.O.
The Netherlands
6. In the case of components and separate technical units, location and method of affixing of the approval mark : Sticker (identification label) on the right side
7. Address(es) of assembly plant(s) :
-- Confidential information --



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8. Additional information (where applicable) : see Appendix below
9. Technical service responsible for carrying out the tests : DARE!! Measurements
Vijzelmolenlaan 7
3447 GX Woerden
The Netherlands
10. Date of test report : 2018 March, 14
2018 January, 7
2018 January, 7
11. Number of test report : 17C01250RPT02
18C00036RPT01 (Mass Combi Ultra 24/3500)
18C00035RPT01 (Mass Combi Pro 12/3000)
12. Remarks (if any) : see Appendix
13. Place : Zoetermeer
14. Date : 22-MAR-2018
15. Signature : 

L. Vellekoop
16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.
17. Reasons for extension : --

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R05/01*4060*00

concerning the type-approval of an ~~electrical~~/electronic sub-assembly⁽¹⁾ under Regulation number 10.

1. Additional information : Because the EUT has no immunity related functions, Radiated immunity and Bulk current injection tests are not applicable and therefore not performed.
- The Voltage transient emissions measurements and the Electrical Disturbance test on Voltage supply lines are not performed because the EUT is a derivative type of the Mass Combi Ultra (24/3500) and Mass Combi Pro (12/3000), which are tested worst case and are reported under DARE!! Measurements reference number 18C00036RPT01 and 18C00035RPT01. See appendixes E and F.
- The charger function is not tested during this test session because the charging function is not operational in driving mode and does not charge the vehicle battery and also is not connected to the vehicle battery.
- 1.1. Electrical system rated voltage : 12 V pos./neg. ground⁽¹⁾
- 1.2. This ESA can be used on any vehicle type with the following restrictions : Installation of, and work on the Mass Combi Ultra 12/3000, may be carried out only by a qualified, authorised and trained technician or electrician, consistent with the locally applicable standards and regulations.
- 1.2.1. Installation conditions, if any : Installation of, and work on the Mass Combi Ultra 12/3000, may be carried out only by a qualified, authorised and trained technician or electrician, consistent with the locally applicable standards and regulations.
- 1.3. This ESA can be used only on the following vehicle types : All
- 1.3.1. Installation conditions, if any : See 1.2.1.
- 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were : Electrical disturbance test on voltage supply lines (18C00035RPT01 and 18C00036RPT01)
- 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests : DARE!! Measurements
2. Remarks : --

⁽¹⁾ Strike out what does not apply.