

**THE NETHERLANDS
(N E D E R L A N D)**

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- ~~- approval withdrawn~~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*10R06/02*4694*01

- | | | |
|------|--|--|
| 1. | Make (trade name of manufacturer) | : Victron Energy B.V. |
| 2. | Type and general commercial description(s) | Shut resistor, type:
: SmartShunt ???A/50mV |
| 3. | Means of identification of type, if marked on the vehicle/component/
separate technical unit ⁽¹⁾ | - SmartShunt 500A/50mV
- SmartShunt 1000A/50mV
: - SmartShunt 2000A/50mV |
| 3.1. | Location of that marking | : Front side of housing of product |
| 4. | Category of vehicle | : All |
| 5. | Name and address of manufacturer | : Victron Energy B.V.
De Paal 35
1351 JG Almere
The Netherlands |
| 6. | In the case of components and separate technical units, location and method of affixing of the approval mark | : Screen Printing on bottom side (of control-box) |
| 7. | Address(es) of assembly plant(s) | : |
| 8. | Additional information (where applicable) | : see Appendix below |

Approval number: E4*10R06/02*4694*01

9. Technical service responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
: Eiberkamp 10
9351 VT Leek
The Netherlands

10. Date of test report : 02-08-2023

11. Number of test report : NL23VZDR 001

12. Remarks (if any) : see Appendix

13. Place : Zoetermeer

14. Date : 07 September 2023

15. Signature :



R.F.R. Clement

16. The index to the information package lodged with the approval authority, which may be obtained on request, is attached.

17. Reasons for extension : Design and documentation update

⁽¹⁾ Strike out what does not apply.

APPENDIX

to type-approval communication form number: E4*10R06/02*4694*01

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

1. Additional information :
- 1.1. Electrical system rated voltage : 12 or 24 V ~~pos./neg.~~ ground⁽¹⁾
- 1.2. This ESA can be used on any vehicle type with the following restrictions : None
 - 1.2.1. Installation conditions, if any : Not applicable
- 1.3. This ESA can be used only on the following vehicle types : All
 - 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 : ESA is Not Safety Related. Radiated Immunity Tests not applicable
- 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests : TÜV Rheinland Nederland B.V.
Eiberkamp 10
9351 VT Leek
: The Netherlands
2. Remarks : Valid for left-hand drive and right hand drive vehicles
Attached to this Type Approval:
Application form
1 Annex 2B form
Statement manufacturer and authorization regarding application
1 EMC Testreport
Product description
Photo's
BOM
Schematic Diagram
PCB Layout
Declaration of equality

⁽¹⁾ Strike out what does not apply.

