

ECE TYPE-APPROVAL CERTIFICATE
Communication concerning the approval granted of an
electrical/electronic sub-assembly with
regard to Regulation No.10.



Approval No: **E24 10R-052000**

Extension No: *N/A*

Reason for extension:

N/A.

1. Make (trade name of manufacturer):

VBG Group

2. Type and general commercial description:

09-115600

Version(s):

Indicating sensor used in all VBG and Ringfeder drawbar couplings equipped with the mechanism MMC

3. Means of identification of type, if marked on the component:

See point 2 above.

3.1 Location of that marking:

side surface opposite the cable entry

4. Category of vehicle:

See Appendix

5. Name and address of manufacturer:

***VBG Group Truck Equipment AB
Herman Kreftings Gata 4
SE-462 28 Vanersborg***

6. In the case of components and separate technical units, location and method of affixing of the ECE approval mark:

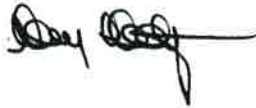
side surface opposite the cable entry

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

***SEPAB Fordensprodukter AB
Bergkallavagen 31 B
SE-19279 Sollentua***

8. Additional information (where applicable): *See appendix*
9. Technical service responsible for carrying out the tests: *TÜV SÜD Auto Service GmbH
Westendstraße 199
D-80686 München*
10. Date of test report:
11. Number of test report: *16-00098-CP-BWG-00*
12. Remarks (if any): *See Appendix*
13. Place: *Dublin*
14. Date: *22nd June, 2016*

15. Signature:



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

Appendix

To type-approval communication concerning the type approval
of an electrical/electronic sub-assembly under Regulation No.10.

- | | | |
|-------|---|---|
| 1. | Additional information | |
| 1.1. | Electrical system rated voltage: | <i>24V, negative ground</i> |
| 1.2. | This ESA can be used on any vehicle type with the following restrictions: | <i>See manufacturer's specifications.</i> |
| 1.2.1 | Installation conditions, if any: | <i>See manufacturer's specifications.</i> |
| 1.3. | This ESA can only be used on the following vehicle types: | <i>N/A</i> |
| 1.3.1 | Installation conditions, if any: | <i>N/A</i> |
| 1.4. | The specific test method(s) used and the frequency ranges covered to determine immunity were: | <i>N/A</i> |
| 1.5. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i>TÜV SÜD Auto Service GmbH</i> |
| 2. | Remarks: | <i>N/A</i> |

Appendix to type-approval communication concerning the
type approval of a vehicle under Regulation No.10.

- | | | |
|-----|---|------------|
| 1. | Additional information | |
| 2. | Special devices for the purpose of Annex 4 to this Regulation: | <i>N/A</i> |
| 3. | Electrical system rated voltage: | <i>N/A</i> |
| 4. | Type of bodywork: | <i>N/A</i> |
| 5. | List of electronic systems installed in the tested vehicle(s) not limited to the items in the information document: | <i>N/A</i> |
| 5.1 | Vehicle equipped with 24 GHz short-range radar equipment (yes/no): | <i>N/A</i> |
| 6. | Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: | <i>N/A</i> |
| 7. | Remarks: | <i>N/A</i> |