



Communication concerning approval granted of a type of electrical/electronic sub-assembly with regard to Regulation No 10

Approval No:	03156
1. Make: (trade name of manufacturer)	Sauer-Danfoss
2. Type and general commercial description:	TMC/MC018
3. Means of identification of type, if marked on the component:	Designation of type on label
3.1. Location of that marking:	Label on the top side of the ESA
4. Category of vehicle:	N/A
5. Name and address of manufacturer:	Sauer-Danfoss AB Teknikgatan 1 SE-343 34 Älmhult
6. Location and method of affixing the ECE approval mark:	Label on the top side of the ESA
7. Address(es) of assembly plant(s):	See item 5.
8. Additional information:	See appendix
9. Technical service responsible for carrying out the tests:	SP Technical Research Institute of Sweden Box 857 S-501 15 BORÅS SWEDEN
10. Date of test report:	2012-09-06
11. Number of test report:	FX213284
12. Remarks (if any):	See appendix
13. Place:	Borlänge
14. Date:	2012-12-19
15. Signature:	Swedish Transport Agency

Bo Nilsson



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

- Bilaga 2B
- Test report FX213284

**Appendix** to type approval communication form No: 04155  
Concerning the type approval of an electrical/electronic  
sub-assembly under Regulation No. 10

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|--------|---|---|
| 1.     | Additional information  |   |
| 1.1.   | Electrical system rated voltage:  | 9-36 V, negative ground   |
| 1.2.   | This ESA can be used in any vehicle type with the following restrictions:                     | Not applicable  |
| 1.2.1. | Installation conditions:  | Not applicable  |
| 1.3.   | This ESA unit can be used only in the following vehicle types:                                | Not applicable  |
| 1.3.1. | Installation conditions:  | Not applicable  |
| 1.4.   | The specific test method(s) used and the frequency ranges covered to determine immunity were: | ISO 11 452-4, 20-200 MHz<br>ISO 11 452-2, 200-800 MHz<br>ISO 11 452-2, 800-2000 MHz |
| 1.5.   | Approved laboratory responsible for carrying out the test:                                    | SP Technical Research Institute of Sweden<br>Box 857<br>S-501 15 BORÅS<br>SWEDEN    |
| 2.     | Remarks:  | -   |
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