

ECE TYPE-APPROVAL CERTIFICATE



Communication Concerning: Approval granted
~~Approval extended~~
~~Approval refused~~
~~Approval withdrawn~~
~~Production definitively discontinued~~

Of a type of electrical/electronic sub-assembly with regard to Regulation No.10.

Approval No: **E24 10R-052162**

Extension No: *N/A*

Reason for extension:

N/A.

1. Make (trade name of manufacturer):

SEF Industrie

2. Type and general commercial description:

SBS DPA 130 TC 01

Variant(s):

SBS DPA 130 SC 01
SBS DPA 130 SB 00
SBS DPA 080 SC 01
SBS DPA 080 TC 01
SBS DPA 070 TC 01
SBS DPA 070 SC 01
SBS DPA 070 SB 00

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

SBS DPA 130 TC 01
S/N: 2416

3.1 Location of that marking:

On the unit to be molded

4. Category of vehicle:

See Appendix

5. Name and address of manufacturer:


SEF Industrie
9 rue Gustave Eiffel
77610 Fontenay-Tresigny
France

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

On the bottom of the case to be molded

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

***See point 0.8 of the information document
for details.***

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: ***20.02.2017***
11. Number of test report: ***17-00017-CP-PRG-00***
12. Remarks (if any): *See Appendix*
13. Place: ***Dublin***
14. Date: ***28th February, 2017.***
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>12V DC, 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>Bulk current injection method
Frequency range: 20 -200 MHz
Free field substitution method
Frequency range: 200 - 2000 MHz</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> |

Index to the Information Package

Date of issue:	<i>28th February, 2017.</i>
Date of latest amendment:	<i>N/A</i>
Reason for extension/revision:	<i>N/A</i>
1. Additional conditions, and advisory notes on legal alternatives.	
2. Test report(s)	
- numbers(s):	<i>17-00017-CP-PRG-00</i>
- date of issue:	<i>20.02.2017</i>
- date of latest amendment:	<i>N/A</i>
3. Information document	
- number(s):	<i>010 – SBS DPA – 00</i>
- date of issue:	<i>18.07.2016</i>
- date of latest amendment:	<i>N/A</i>
Documentation:	<i>47 pages</i>

Appendix: Additional conditions, and advisory notes on legal alternatives

A: Additional conditions:

1. The attached technical report, with any of its attachments, forms part of this Type Approval certificate.
2. Each type from series production shall be to the measurements specified in the attached drawings, and shall be manufactured only from the materials specified in the Approval documents.
3. Changes in the type are permitted only with the explicit permission of NSAI. Breaches of this requirement will lead to a withdrawal of the Type Approval, and in addition may be subject to criminal prosecution.
4. At regular intervals, any tests or associated checks prescribed by the applicable legislation to verify continued conformity with the approved type shall be carried out. The manufacturer shall demonstrate compliance with this by submitting to NSAI evidence of adequate arrangements and documented control plans for each type approved.
5. Any set of samples or test pieces showing evidence of non-conformity shall give rise to further sampling and testing and all steps shall be taken to restore conformity of production.
6. This Type Approval will expire when it is surrendered by the holder, or withdrawn by NSAI, or when the approved type no longer conforms to legal requirements. The recall of the Type Approval can be issued by NSAI when the conditions required for the issuing or continuation of the Type Approval are no longer current, or when the Approval holder is in breach of the duties attached to the Type Approval, or when it is established that the approved type no longer meets the requirements of traffic safety.
7. Changes in the company name, address or manufacturing site, as well as in any of the sales or other agents specified in the issuing of the approval must immediately be notified to NSAI.
8. The duties imposed by the issuing of this certificate are not transferable. The legal protection of third parties is not affected by this certificate.
9. When the manufacture or sale of the system, component or separate technical unit has not been started within one year of the date of issue of this certificate, then NSAI is to be informed. This requirement also applies when the manufacture or sale has been halted for more than one year, or when it ought to have been halted for more than one year. The initial commencement of manufacture or sale, or the resumption of manufacture or sale, shall then be notified to NSAI within one month of commencement or resumption.

B: Legal Options:

Any objection to the requirements set out in this certificate shall be made within one month of the date of issue. The objection shall be made, in writing, to NSAI in Dublin.



Test Report No.: 17-00017-CP-PRG-00
Manufacturer: SEF Industrie, France
Type: SBS DPA 130 TC 01

Test report

No.: 17-00017-CP-PRG-00

Test of a type of a electronic sub-assembly (ESA)
with regard to ECE Regulation No. **10.05**

Approval subject: **Electromagnetic compatibility**

Approval status	
<input checked="" type="checkbox"/>	Granting of a type approval
<input type="checkbox"/>	Extension to type approval no.



Test Report No.: 17-00017-CP-PRG-00
Manufacturer: SEF Industrie, France
Type: SBS DPA 130 TC 01

I. General

1. Technical description: Smart connecting system for rear lamps
- 1.1 Trade mark or trade name: SEF Industrie
- 1.2 Type: SBS DPA 130 TC 01
- 1.2.1 Variants:
SBS DPA 130 SC 01
SBS DPA 130 SB 00
SBS DPA 080 SC 01
SBS DPA 080 TC 01
SBS DPA 070 TC 01
SBS DPA 070 SC 01
SBS DPA 070 SB 00
- 1.2.2 Commercial name: N/A
- 1.3 Characteristics for type identification: Product and serial numbers
- 1.4 Position of the marking: On the unit
- 1.5 Kind of marking: To be molded
- 1.6 Manufacturer's name and address: SEF Industrie
9 rue Gustave Eiffel
77610 Fontenay-Tresigny
France
- 1.7 Address of assembly plant: ELCOM, s.r.o.
Jesenná 2695/26
080 01 Prešov
Slovakia
GTP (Groupe Technologique du Perche)
4 Rue des Sablons
28240 Belhomert
France
ALTRICS SAS (head company) via
Globe Technologies (subdivision of ALTRICS SAS)
Km6, Route de Tunis BP18
8020 Soliman
Tunisia
- 1.8 No. of information document: 010 – SBS DPA – 00



Test Report No.: 17-00017-CP-PRG-00
Manufacturer: SEF Industrie, France
Type: SBS DPA 130 TC 01

II. Test report

2. Carrying out of the test

The tests were carried out with the following representative ESA.

Model: SBS
p/n: DPA 130 TC 01
s/n: 2416

Date and place of testing: 22 - 23 June 2016
EMITECH, Montigny le Bretonneux, France

2.1 Broadband electromagnetic interference generated by ESA

2.1.1 Method of measurement: Measured by the method described in annex 7 of ECE-Regulation No. 10.

2.1.2 Results: The measured values, expressed in dB $\mu\text{V}/\text{m}$, are below the reference limits. The test was passed.

2.2 Narrowband electromagnetic interference generated by ESA

2.2.1 Method of measurement: Measured by the method described in annex 8 of ECE-Regulation No. 10.

2.2.2 Results: The measured values, expressed in dB $\mu\text{V}/\text{m}$, are below the reference limits. The test was passed.

2.3 Immunity of ESA to electromagnetic radiation

2.3.1 Method of measurement: Measured in the anechoic chamber as described in annex 9 of ECE-Regulation No. 10.

2.3.2 Performance criteria: No degradation of function by testing with 60mA (BCI) and 30 V/m (electric field).

2.3.3 Results: The ESA has not exhibited any unacceptable malfunction. The claimed functional state was fulfilled during the test. The test was passed.



Test Report No.: 17-00017-CP-PRG-00
Manufacturer: SEF Industrie, France
Type: SBS DPA 130 TC 01

2.4 Immunity of ESA to conducted transient interferences

2.4.1 Method of measurement: Measured as described in annex 10 of ECE-Regulation No. 10.

2.4.2 Results: The ESA has not exhibited any unacceptable malfunction. The claimed functional state was fulfilled during the test. The test was passed.

2.5 Conducted transient interferences generated by ESA

2.5.1 Method of measurement: Measured as described in annex 10 of ECE-Regulation No. 10.

2.5.2 Results: The measured values are below the reference limits. The test was passed.

III. Results of the tests

The results of the tests are attached in the diagrams of the enclosure.

IV. Statement of conformity

The information folder as mentioned under No. 1.8 and the type described therein are in compliance with the test specification mentioned above. The worst-case was selected in accordance with document "Preparation of Test Reports". The test report may be reproduced and published in full and by the client only. It can be reproduced partially with the written permission of the test laboratory only.

V. Enclosures

No.	Enclosure	Page(s)	Date
1.	Test results	25	2016-06-22 and 2016-06-23
2.	Information document	16	2016-07-18



Test Report No.: 17-00017-CP-PRG-00
Manufacturer: SEF Industrie, France
Type: SBS DPA 130 TC 01

designated as Technical Service by:

Genehmigungsbehörde/ Approval authority	Land/Country	Registriernummer/ Registration-number	Aktueller Benennungsumfang/ Actual scope list
Kraftfahrt-Bundesamt (KBA)	Deutschland/ Germany	KBA-P 00100-10	www.kba.de
Vehicle Certification Agency (VCA)	Vereintes Königreich/ United Kingdom	VCA-TS-006	http://ec.europa.eu/enterprise/sectors/automotive/approval-authorities-technical-services/technical-services/index_en.htm
Approval Authority of the Netherlands (RDW)	Niederlande/ The Netherlands	RDWT-082-1	
National Standards Authority of Ireland (NSAI)	Irland/ Ireland	Technical Service Number: 49	
Vehicle Safety Certification Center (VSCC)	Taiwan/ Taiwan	DE04-06-2	http://www.vsc.org.tw/English/Default.aspx

This technical report contains the pages 1 to 5 and enclosures.

München, 2017-02-20

Ing. Lukáš Sedláček
Officially recognized expert