



NSAI

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~~Approval withdrawn~~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*10R06/00*2401*03

Reason for extension:

- Update to 06 Series of Amendments of the Regulation
- Modification of information document with enclosures
- New Variants (option boards X90AISG0.02-00, X90RO440.05-00, X90RO440.04-S1)

1. Make (trade name of manufacturer):

B&R

2. Type and general commercial description:

X90 Mobile System
Control unit

Variant(s):

Mainboards -
X90CPI174.48-S1, X90CPI174.24-S1,
X90CPI174.48-00, X90CPI174.24-00,
X90CPI172.48-00, X90CPI172.24-00
Option boards -
X90DI110.10-00, X90AT910.08-00,
X90AT910.04-00, X90PO210.08-00,
X90AO410.08-00, X90AO410.04-00,
X90CM480.04-00, X90IF720.04-00,
X90IF730.04-00, X90AISG0.02-00,
X90RO440.05-00 X90RO440.04-S1

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

Refer to variants

3.1 Location of that marking:

On the housing of the mainboard

4. Category of vehicle:

N/A

5. Name and address of manufacturer:

B&R Industrial Automation GmbH
B&R Straße 1 AT-5142 Eggelsberg,
Germany

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

Laser label on the housing of the mainboard



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7. Address(es) of assembly plant(s): *Refer to point 5*
8. Additional information (where applicable): *See appendix*
9. Technical service responsible for carrying out the tests: *SGS-TÜV Saar GmbH,
Am TÜV 1,
D-66280 Sulzbach,
Germany*
10. Date of test report: *As before and 04.05.2020*
11. Number of test report: *M2AJ0004 up to -03*
12. Remarks (if any): *See Appendix*
13. Place: *Dublin*
14. Date: *6th May, 2020*
15. Signature: 
16. The index to the information package lodged with the approval authority, which may be obtained on request is attached.





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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: *12/24V DC, negative ground*
 - 1.2. This ESA can be used on any vehicle type with the following restrictions: *See manufacturer's specifications.*
 - 1.2.1 Installation conditions, if any: *See manufacturer's specifications.*
 - 1.3. This ESA can only be used on the following vehicle types: *N/A*
 - 1.3.1 Installation conditions, if any: *N/A*
 - 1.4. The specific test method(s) used and the frequency ranges covered to determine immunity were: *Bulk Current Injection Method:
Frequency: (20 - 400MHz)
Absorber Chamber Test:
Frequency: (200 - 2000MHz)*
 - 1.5. Laboratory accredited to ISO 17025 and recognized by the Approval Authority responsible for carrying out the tests: *SGS-TÜV Saar GmbH*
2. Remarks: *N/A*

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