

UK Type-Examination Certificate



For UK Regulations SI 2008 No. 1597
The Supply of Machinery Regulations 2008

Reg.-No.: 01/205U/5671.00/22

Product tested	Programmable Safety Controller for mobile applications	Certificate holder	ifm electronic GmbH Friedrichstr. 1 45128 Essen Germany
Type designation	CR7xxS (for details see revision list)		
Codes and standards	EN 62061:2005 + AC:2010 + A1:2013 + A2:2015	EN 61508 Parts 1-7:2010	
Intended application	Safety functions at mobile machines. The devices comply with the requirements of the relevant standards SIL 2 / SILCL 2 according to EN 61508 / EN 62061 / IEC 62061:2015 and can be used in applications up to this safety level. It can be used in applications up to SIL 2 according to IEC 61508:2010 / IEC 62061:2021, PL d acc.to EN ISO 13849-1:2015 and AgPL d acc. to ISO 25119:2018.		
Specific requirements	The instructions of the associated system manual and installation manuals must be considered. In particular the provisions for developing and testing the application software need to be followed.		

This product is in conformity with all requirements of SCHEDULE 2, PART 1 (Annex I) of SI 2008 No. 1597. This Type-Examination certificate refers to an evaluation of the above mentioned product as stipulated in SCHEDULE 2, PART 9 (Annex IX) of SI 2008 No. 1597.

Valid until 2026-09-29

The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/FSP 1694.14/22 dated 2022-07-14.

This certificate is valid only for products which are identical with the product tested.

Köln, 2022-07-20

TUV Rheinland UK Ltd.

Approved Body for Machinery, No. 2571

Dipl.-Ing. Thomas Steffens

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Revision List
 referred to on Certificate No.: 01/205/5671.01/21 and
 01/205U/5671.00/22
Product: Programmable Safety Controller
ecomatController CR7xxS



Safety Related Modules / Components

Type Designation	Description	HW Revision	SW Revision	Report No.:	Certification Status
CR721S	Programmable Safety Controller ecomatController/124-1 ecomatController CR721S	V 1.0.4.2 V 1.0.5.3 V 1.0.5.4	V 3.0.0.3	968/FSP 1694.00/19	Valid
			V 3.0.0.4	968/FSP 1694.03/19	Valid
			V 3.0.0.5	968/FSP 1694.03/19	Valid
			V 3.0.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.7	968/FSP 1694.10/21	Valid
			V 3.1.1.4	968/FSP 1694.07/21 968/FSP 1694.08/21 968/FSP 1694.09/21	Valid
			V 3.1.1.7	968/FSP 1694.10/21	Valid
			V 3.2.0.3	968/FSP 1694.13/22	Valid
CR720S	Programmable Safety Controller ecomatController/98-1 ecomatController CR720S	V 1.0.4.2 V 1.0.5.3 V 1.0.5.4	V 3.0.0.3	968/FSP 1694.01/19	Valid
			V 3.0.0.4	968/FSP 1694.03/19	Valid
			V 3.0.0.5	968/FSP 1694.03/19	Valid
			V 3.0.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.7	968/FSP 1694.10/21	Valid

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Revision List

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Product: Programmable Safety Controller
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Type Designation	Description	HW Revision	SW Revision	Report No.:	Certification Status
			V 3.1.1.4	968/FSP 1694.07/21 968/FSP 1694.08/21 968/FSP 1694.09/21	Valid
			V 3.1.1.7	968/FSP 1694.10/21	Valid
			V 3.2.0.3	968/FSP 1694.13/22	Valid
CR711S	Programmable Safety Controller ecomatController/60-1 ecomatController CR711S	V 1.0.4.2 V 1.0.4.3 V 1.0.4.4	V 3.0.0.3	968/FSP 1694.02/19	Valid
			V 3.0.0.4	968/FSP 1694.03/19	Valid
			V 3.0.0.5	968/FSP 1694.03/19	Valid
			V 3.0.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.7	968/FSP 1694.10/21	Valid
			V 3.1.1.4	968/FSP 1694.09/21	Valid
			V 3.1.1.7	968/FSP 1694.10/21	Valid
			V 3.2.0.3	968/FSP 1694.13/22	Valid
CR710S	Programmable Safety Controller ecomatController/37-1 ecomatController CR710S	V 1.0.4.2 V 1.0.4.3 V 1.0.4.4	V 3.0.0.5	968/FSP 1694.04/19	Valid
			V 3.0.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.6	968/FSP 1694.06/20	Valid
			V 3.1.0.7	968/FSP 1694.10/21	Valid
			V 3.1.1.4	968/FSP 1694.09/21	Valid



Type Designation	Description	HW Revision	SW Revision	Report No.:	Certification Status
			V 3.1.1.7	968/FSP 1694.10/21	Valid
			V 3.2.0.3	968/FSP 1694.13/22	Valid

Valid controller version for SIL applications as defined in the Safety Manual.

Software tools

Type Designation	Description	SW Revision	Report No.:	Certification Status
CR721S_V3.0.0.3	Programming Package	V 3.0.0.3	968/FSP 1694.00/19	Valid
CR720S_V3.0.0.3	Programming Package	V 3.0.0.3	968/FSP 1694.01/19	Valid
CR711S_V3.0.0.3	Programming Package	V 3.0.0.3	968/FSP 1694.02/19	Valid
CR721S_V3.0.0.4 CR720S_V3.0.0.4 CR711S_V3.0.0.4	Programming Package	V 3.0.0.4	968/FSP 1694.03/19	Valid
CR721S_V3.0.0.5 CR720S_V3.0.0.5 CR711S_V3.0.0.5	Programming Package	V 3.0.0.5	968/FSP 1694.03/19	
CR710S_V3.0.0.5	Programming Package	V 3.0.0.5	968/FSP 1694.04/19	Valid
CR721S_V3.0.0.6 CR720S_V3.0.0.6 CR711S_V3.0.0.6 CR710S_V3.0.0.6	Programming Package	V 3.0.0.6	968/FSP 1694.06/20	Valid

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CR721S_V3.1.0.6 CR720S_V3.1.0.6 CR711S_V3.1.0.6 CR710S_V3.1.0.6	Programming Package	V 3.1.0.6	968/FSP 1694.06/20	Valid
CR721S_V3.1.1.5 CR720S_V3.1.1.5 CR711S_V3.1.1.5 CR710S_V3.1.1.5	Programming Package	V 3.1.1.4	968/FSP 1694.09/21	Valid
CR721S_V3.1.0.7 CR720S_V3.1.0.7 CR711S_V3.1.0.7 CR710S_V3.1.0.7	Programming Package	V 3.1.0.7	968/FSP 1694.10/21	Valid
CR721S_V3.1.1.7 CR720S_V3.1.1.7 CR711S_V3.1.1.7 CR710S_V3.1.1.7	Programming Package	V 3.1.1.7	968/FSP 1694.10/21	Valid
CR721S_V3.2.0.3 CR720S_V3.2.0.3 CR711S_V3.2.0.3 CR710S_V3.2.0.3	Programming Package	V 3.2.0.3	968/FSP 1694.13/22	Valid



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Safety Manual / User documentation

Document No.	Description	Report-No.:	Certification Status
80275323_DE Stand: 03/2019	Original-Betriebsanleitung ecomatController CR721S	968/FSP 1694.00/19	Valid
80275323_DE-DINA6.pdf Stand: 06/2019	Original-Betriebsanleitung ecomatController CR720S CR721S	968/FSP 1694.01/19	Valid
7391145_00_DE Stand: 03/2019	Programmierhandbuch ecomatController/124 CR721S	968/FSP 1694.00/19	Valid
7391144_00_DE Stand: 03/2019	Programmierhandbuch ecomatController/98 CR720S	968/FSP 1694.01/19	Valid
80275324_DE-DINA6 Stand: 06/2019	Original-Betriebsanleitung ecomatController CR710S CR711S	968/FSP 1694.02/19	Valid
7391143_00_DE Stand: 03/2019	Programmierhandbuch ecomatController/60 CR711S	968/FSP 1694.02/19	Valid
7391142_00_DE Stand: 03/2019	Programmierhandbuch ecomatController/37 CR710S	968/FSP 1694.04/19	Valid
80291607_DE.pdf Stand: 02/2020	Original-Betriebsanleitung ecomatController CR720S CR721S	968/FSP 1694.05/20	Valid
80291608_DE.pdf Stand: 02/2020	Original-Betriebsanleitung ecomatController CR710S CR711S	968/FSP 1694.05/20	Valid

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Document No.	Description	Report-No.:	Certification Status
80292363_00_DE.pdf Stand: 02/2020	Programmierhandbuch ecomatController CR710S, CR711S, CR720S, CR721S	968/FSP 1694.05/20	Valid
80295862_00_DE.pdf Stand: 08/2020	Programmierhandbuch ecomatController CR710S, CR711S, CR720S, CR721S	968/FSP 1694.06/20	Valid
80299358_DE.pdf Stand: 11/2020	Original-Betriebsanleitung ecomatController CR720S CR721S	968/FSP 1694.07/21	Valid
11367587_00_DE.pdf Stand: 02/2021	Programmierhandbuch ecomatController CR710S, CR711S, CR720S, CR721S	968/FSP 1694.09/21	Valid
11413564_00_DE.pdf Stand: 03/2022	Programmierhandbuch ecomatController CR710S, CR711S, CR720S, CR721S	968/FSP 1694.13/22	Valid

Revision:

Datum	Rev.	Description / Changes	Autor
2019-05-22	1.0	Initial creation, based on Report-No.: 968/FSP 1694.00/19	Wii/A-FS
2019-07-09	2.0	Extension by variant CR720S, based on Report-No.: 968/FSP 1694.01/19	Wii/A-FS
2019-08-26	2.1	Extension by variant CR711S, based on Report-No.: 968/FSP 1694.02/19	Wii/A-FS
2019-09-05	2.2	Extension by new SW versions V 3.0.0.4 and V 3.0.0.5, based on Report-No.: 968/FSP 1694.03/19	Wii/A-FS
2019-10-01	2.3	Extension by variant CR710S, based on Report-No.: 968/FSP 1694.04/19	Wii/A-FS
2020-03-12	2.4	First version in English translation based on Report-No.: 968/FSP 1694.05/20	Wii/A-FS
2020-11-04	2.5	Extension by new SW versions V 3.0.0.6 and V 3.1.0.6, based on Report-No.: 968/FSP 1694.06/20	Wii+mgw/A-FS
2021-03-12	2.6	Extension by new HW versions V 1.0.5.2, based on Report-No.: 968/FSP 1694.07/21	Wii/A-FS
2021-06-02	2.7	Extension by new HW versions V 1.0.5.3, based on Report-No.: 968/FSP 1694.08/21, removal of HW-Version 1.0.5.2 at the request of the customer	Wii/A-FS

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2021-06-21	2.8	Extension by new SW versions V 3.1.1.4, based on Report-No.: 968/FSP 1694.09/21	Mgu/A-FS
2021-09-09	2.9	Extension by new SW versions V 3.1.1.7 and V 3.1.0.7, as well as HW Version V 1.0.4.3 and V 1.0.5.3 based on Report-No.: 968/FSP 1694.10/21 Replacement of Certificate and listing of harmonized EN standard as well as IEC.	Wi+Mgu/A-FS
2021-12-28	2.10	Extension by new HW Version V 1.0.4.4 and V 1.0.5.4 based on Report-No.: 968/FSP 1694.11/21	Wi/A-FS
2022-04-21	2.11	Customized variant CR901S (not part of RL) identical with CR721S, based on Report-No.: 968/FSP 1694.12/22	Wi/A-FS
2022-05-31	2.12	Extension by new SW versions V 3.2.0.3 (IoT-Core), based on Report-No.: 968/FSP 1694.13/22	Mgu/A-FS
2022-07-14	2.13	UKCA-Certificate update based on: 968/FSP 1694.14/22	Ti/A-FS

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