



Product Service

EC-Statement of Compliance

No. E6 16 03 83652 011

Holder of Certificate: ABB Automation Products GmbHEppelheimer Str. 82
69123 Heidelberg
GERMANY**Name of Object:** Display
Interface Panel UniOP**Model(s):** CP620, CP620-WEB
CP630, CP630-WEB
CP635, CP635-WEB
CP650, CP650-WEB
CP651, CP651-WEB
CP660, CP660-WEB
CP661, CP661-WEB
CP665, CP665-WEB
CP675, CP675-WEB
CP676, CP676-WEB**Description of Object:** Power supply: 24 Vdc**Tested according to:** EN 61000-6-4:2007
EN 61000-3-2:2006/A2:2009
EN 61000-3-3:2008
IEC 61000-6-2(ed.2)

This EC-Statement of Compliance is issued according to the Directive 2004/108/EC relating to electromagnetic compatibility. It confirms that the listed apparatus complies with such aspects of the essential requirements of the EMC directive as specified by the manufacturer or his authorized representative in the European Community and applies only to the sample and its technical documentation submitted to TÜV SÜD Product Service GmbH for testing and certification. See also notes overleaf.

Technical report no.: 1300045204-713065373**Date,** 2016-04-04
(Johann Roidt)

TÜV SÜD Product Service GmbH is Notified Body to the Directive 2004/108/EC of the European Parliament and of the council with the identification number 0123.

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for the conformity assessment according to the EMC Directive 2004/108/EC

Technical Report

for the conformity assessment according to the EMC Directive
2004/108/EC, Article 7 and Annex III or respectively
the **EMC Law in the currently valid version**

Client: **ABB Automation Products GmbH**
Eppelheimer Straße 82
69123 Heidelberg / Germany

Subject: **Automation Products**
CP600-eCo and CP600 Control panels

Ref. of the
client:

Application from:
18 October 2015

Our ref.:
713067844

Date: 17 March 2016

Responsible:
Johann Roidt

Objective:

This TECHNICAL REPORT contains the result of a single conformity assessment and the STATEMENT of a NOTIFIED BODY according to the EMC Directive (EMCD) 2004/108/EC of 15th of December 2004, Article 7 and Annex III respectively according to the EMC law (EMCL) in the currently valid version

- concerning the compliance with the **essential EMC safety requirements** according to the EMCD Article 5 respectively according to the EMC Law in the currently valid version with reference to the TECHNICAL DOCUMENTATION submitted by the client and
- becomes an integrated part of the **TECHNICAL DOCUMENTATION** to be held at the disposal by the person who places the equipment on the market (manufacturer or his representative or respectively the importer) for the competent European authorities for verifying purposes within the scope of the market surveillance entrusted to them in the case of deviation or lack of legally binding (i.e. published in the Official Journal of the EC) decisive standards (EN) as
- a prerequisite for the **EC DECLARATION OF CONFORMITY** and the **CE MARKING** of the person who places the equipment on the market according the EMCD, Article 7 and Annex II or respectively the EMC Law in the currently valid version.

Concerning the conformity of each individual (serial) device with the rules of the EMCD or respectively the EMC Law the person who places the equipment on the market is responsible by himself declaring this with the EC DECLARATION OF CONFORMITY.

A CE MARKING of the concerned product can be made only if the essential requirements of any other relevant EC Directives will be satisfied.

This TECHNICAL REPORT cannot be taken as a generally applicable evaluation of the properties of the concerned products in the current production. It does not entitle to use a certification mark of TÜV SÜD PRODUCT SERVICE GmbH.

It may be quoted to third persons only in full including this preliminary remark and indicating the date of issue. Any publication or copying is subject to prior authorization in written by TÜV SÜD PRODUCT SERVICE GmbH.

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for the conformity assessment according to the EMC Directive 2004/108/EC

1. TECHNICAL DOCUMENTATION of the client

This TECHNICAL REPORT is based on
the technical documentation of the client submitted on 25 September 2015
which is composed of the following documents:

EMC Test Reports, issued by **CMC Centro Misure Compatibilita S.r.l.**

- CP620 CP620-WEB R11057701
 - CP630 CP630-WEB R11086901
 - CP635 CP635-WEB R11066601
 - CP650 CP650-WEB R11063201
 - CP651 CP651-WEB R11076701
 - CP660 CP660-WEB R10106601
 - CP661 CP661-WEB R11107601
 - CP665 CP665-WEB R12062901
 - CP675 CP675-WEB R10098601
 - CP676 CP676-WEB R11107801
-
- ABB Product Information **3ADR020077C0203_PLC Automation_12-2015**

2. Evaluation of the TECHNICAL DOCUMENTATION of the client

The ordered EMC aspects are:

The conformity assessment in this Technical Report has been made with reference to the

- justification for the conformity assessment according to EMC Directive Art. 7 and Annex III with the involvement of a Notified Body
- product identification
- applied actions and procedures (EMC concept)
- test certificates.

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-Short Description of Product and Usage Area –

CP600-eCo and CP600 Key features

- Housing
 - CP600-eCo: Plastic
 - CP600: Aluminium
- Front protection IP66
- Engineering software Panel Builder 600 integrated in Automation Builder

- Improved flexibility and integration
- Two versions available:
 - CP600-eCo / CP600: Configuration with Panel Builder 600 for clear tailor made visualization.
 - CP600-WEB: visualization of AC500 web server with Automation Builder visualization. The Automation Builder debugging and diagnostics screens can be converted effortlessly for use with CP600-WEB control panels.

- Brilliant colored display
- Free reusable 3D graphic elements (Widgets)
- Import tags from PLC, drives, motion controller and robots configuration within Automation Builder

- Slim design for easily installation even in compact spaces



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CP600-eCo and CP600 Ordering data



CP607



CP665

CP600-eCo control panels

Display size	Resolution		Type	Order code	Price	Weight (1 pos)
	pixels					kg
4.3"	480 x 272	for PB610-B Panel Builder 600 BASIC applications	CP604	1SAP504100R0001		0.400
7.0"	800 x 480	for PB610-B Panel Builder 600 BASIC applications	CP607	1SAP507100R0001		0.600
10.1"	1024 x 600	for PB610-B Panel Builder 600 BASIC applications	CP610	1SAP510100R0001		1.000

CP600 control panels

Display size	Resolution		Type	Order code	Price	Weight (1 pos)
	pixels					kg
4.3"	480 x 272	for PB610 Panel Builder 600 applications	CP620	1SAP520100R0001		0.960
4.3"	480 x 272	for AC500 WebServer visualization	CP620-WEB	1SAP520200R0001		0.960
5.7"	320 x 240	for PB610 Panel Builder 600 applications	CP630	1SAP530100R0001		1.150
5.7"	320 x 240	for AC500 WebServer visualization	CP630-WEB	1SAP530200R0001		1.150
7.0"	800 x 480	for PB610 Panel Builder 600 applications	CP635	1SAP535100R0001		1.100
7.0"	800 x 480	for AC500 WebServer visualization	CP635-WEB	1SAP535200R0001		1.100
10.4"	800 x 600	for PB610 Panel Builder 600 applications	CP651	1SAP551100R0001		2.100
10.4"	800 x 600	for AC500 WebServer visualization	CP651-WEB	1SAP551200R0001		2.100
12.1"	800 x 600	for PB610 Panel Builder 600 applications	CP661	1SAP561100R0001		2.800
12.1"	800 x 600	for AC500 WebServer visualization	CP661-WEB	1SAP561200R0001		2.800
13.3"	1280 x 800	for PB610 Panel Builder 600 applications	CP665	1SAP565100R0001		2.600
13.3"	1280 x 800	for AC500 WebServer visualization	CP665-WEB	1SAP565200R0001		2.600
15"	1024 x 768	for PB610 Panel Builder 600 applications	CP676	1SAP576100R0001		3.800
15"	1024 x 768	for AC500 WebServer visualization	CP676-WEB	1SAP576200R0001		3.800

Communication cables (connection control panel <-> PLC)

Description	Type	Order code	Price	Weight (1 pos)
				kg
Communication cable RS232: CP600-eCo - AC500	TK681	1SAP500981R0001		0.130
Communication cable RS485: CP600-eCo - AC500-eCo	TK682	1SAP500942R0001		0.130

Programming software

Description	Type	Order code	Price	Weight (1 pos)
				kg
PB610-B Panel Builder 600 Basic, engineering tool for CP600-eCo control panels, for stand-alone installation via Automation Builder setup. PB610-B is included in Automation Builder Basic.	PB610-B	1SAP500910R0001		0.006
PB610 Panel Builder 600, engineering tool for CP600 control panels, for stand-alone installation via Automation Builder setup. PB610 is included in Automation Builder Standard.	PB610	1SAP500900R0101		0.006
PB610-R Panel Builder 600 runtime for running a PB610 application on one Win32 platform. Installation via Automation Builder setup.	PB610-R	1SAP500901R0101		0.006

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3. EMC analysis for the compliance with the essential safety requirements of the EMC Directive

3.1 Statement/reason for involving a NOTIFIED BODY:

The following items of evidence of conformity have been provided as an integrated part of the TECHNICAL DOCUMENTATION mentioned above under clause 1:

- The customer requested E6 (EC-Statement of Compliance: NB statement)

3.2 Assessment:

3.2.1 Emitted interference (radio interference suppression)

Emission testing is based on

- EN 61000-6-4:2007
- EN 61000-3-2:2006+A1:2009+A2:2009
- EN 61000-3-3:2008

3.2.2 Interference resistance

Immunity testing is based on

- IEC 61000-6-2:2005

3.2.3 Imposed requirements

- Applicable shielding measures or EMC filtering measures which are described in the technical documentation have to be used when this product or systems is in operation.
- Surveillance of the product/system surrounding, including neighbouring areas, is needed in order to find out if EMC related problems arise.
- In case disturbances are found, it is required that the product/system will be modified immediately until the disturbances are eliminated.

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4. Summary

By reason of

- the EMC concept (in this case application of the above mentioned EMC standards for limiting the emitted interference and the interference resistance with the mentioned deviations)
- the tests having been accomplished
- taking into consideration the imposed requirements

it is assumed that the essential safety requirements according to the EMC Law in the current version are fulfilled for the designed operation of the above mentioned Automation Products in the assigned areas of operation/ industrial areas.

5. Authorisation

Not applicable

Place/date
Straubing, 17 March 2016

Technical Certifier of the Notified Body
Johann Roidt

Enclosures: Statement of Compliance of the Notified Body with annex
Annex to the Technical Report – Evaluation criteria for conformity assessment of the Notified Body

Annex to the Technical Report No. 1300045204-713067844

for the conformity assessment according to the EMC Directive 2004/108/EC

Conformity Assessment criteria for the product/equipment: **ABB AC500-eCo S500-eCo I/O modules**

Criteria	Yes	No
A) Equipment tested according harmonized standards:	X	
- Standard published in EU journal as harmonized standard and still applicable?	X	
- Normative references in Standard correctly applied and considered for testing?	X	
- Remarks:		X
B) Equipment partially tested according harmonized standards:		X
- Explanation how the not harmonized part is covered		
- Equivalent non harmonized test procedures used?		
- Remarks:		
C) Equipment not tested according harmonized standards:		X
- Equivalent non harmonized test procedures used? (i.e. GOST, drafts, etc.)?		
- Validated and released own test programs used?		
- No reference in certificate to non harmonized standards, reference only in technical report		
- Remarks:		
D) Testing of product series		
- Sampling plausible and trustworthy / objective?	X	
- Statistical procedures applied?		X
E) Testing of variants and product families		
- worst case“ assessed, which is the critical variant with regard to immunity and emissions? If applicable (partial-) testing of different variants?	X	
- Under which condition the „worst case“ samples were selected? (i.e. emission, expansion stage, statistical sampling etc.)		X
- Please specify:		
-		
- Matrix evaluation: were all used EMC relevant components assessed during the evaluation (i.e. different motors, control systems etc.)?		X
F) Testing of components		X
- Certificate for component available?		
- Testing performed under realistic operational ranges and conditions?		
G) On-site testing		X
- Defined environmental conditions (i.e. influence of climate/electromagnetic fields etc.) evaluated?		
- Checked if components must/should be additionally tested under laboratory conditions?		
- Evaluation of alternative test procedures, if a specific test cannot be done on-site?		
H) Additional points for evaluation		X