PROJECT: MAPNA Automation & Process Control System (MAPCS)

MAPCS TEST REPORT & CERTIFICATE

Revision	Date	Description	Prepared by	Checked by	Approved by
1	94/10/28	MAPCS TEST REPORT & CERTIFICATE	A. Bazrafshan	M. Khavaninzadeh	M. Esmaiely
2					
3					
4					
5					
6				3	



Doc. Title: MAPCS TEST REPORT & CERTIFICATE

Rev.1

Contract No.: MEIPA10/0001

Doc. No: MAPCS/CP-TST-DM/DO/01-01

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Test report: L13-10005-T2/1

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LQF-510-02

EMC TEST REPORT

Project No.: L13-10005

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-MPU431 (Main Processing Unit)

S/N Rating 01BX01621407

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-2:2008

Issue Date: 15-Dec-15

No. of pages: 9

Prepared By: Test Engineer

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Test report: L13-10005-T2/2

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10005*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-MPU431 (Main Processing Unit)

S/N 01BX01621407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

Issue Date: 15-Dec-15

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Test report: L13-10005-T2/3

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EMC TEST REPORT

Project No.: L13-10005

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-MPU431 (Main Processing Unit)

S/N 01BX01621407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC* 61131-2:2007 (Zone B)

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EMC TEST REPORT

Project No.: *L13-10005*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-MPU431(Main Processing Unit)

S/N 01BX01621407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10005-T2/5

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LQF-510-02

EMC TEST REPORT

Project No.: L13-10005

Equipment Under Test: DCS/FCS

Model/Type : MAPCS1-MPU431(Main Processing Unit)

S/N : 01BX01621407 Rating : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10006-T2/1

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10006

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-D0571(Digital Output)

S/N Rating 01BX00701407

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-2:2008

Issue Date: 15-Dec-15

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Test report: L13-10006-T2/2

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EMC TEST REPORT

Project No.: L13-10006

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-D0571(Digital Output)

01BX00701407 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

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EMC TEST REPORT

Project No.: L13-10006

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-D0571(Digital Output)

S/N

01BX00701407

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-5:2005

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EMC TEST REPORT

Project No.: *L13-10006*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-D0571(Digital Output)

S/N 01BX00701407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007 (Zone B)*

IEC 61000-4-6:2013

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Test report: L13-10006-T2/5

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10006*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-D0571(Digital Output)

01BX00701407 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10007-T2/1

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LQF-510-02

EMC TEST REPORT

Project No.: L13-10007

Equipment Under Test: DCS/FCS

Model/Type : MAPCS1-D0580(Digital Output)

S/N : AA1011AM0002 Rating : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10007-T2/2

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EMC TEST REPORT

Project No.: L13-10007

Equipment Under Test: DCS/FCS

MAPCS1-D0580(Digital Output) Model/Type

S/N AA1011AM0002 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

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Test report: L13-10007-T2/3

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10007

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-D0580(Digital Output)

S/N AA1011AM0002 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10007-T2/4

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EMC TEST REPORT

Project No.: L13-10007

Equipment Under Test: DCS/FCS

Model/Type MAPC1-D0580(Digital Output)

AA1011AM0002 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-6:2013

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Test report: L13-10007-T2/5

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10007

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-D0580(Digital Output)

AA1011AM0002 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10008-T2/1

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10008*

Equipment Under Test: DCS/FCS

MAPCS1-DI530(Digital Input) Model/Type

S/N 01BX00161407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC* 61131-2:2007 (Zone B)

IEC 61000-4-2:2008

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Test report: L13-10008-T2/2

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10008

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-DI530(Digital Input)

01BX00161407 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

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LQF-510-02

Test report: L13-10008-T2/3

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10008

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-DI530(Digital Input)

01BX00161407 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-5:2005

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Test report: L13-10008-T2/4

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10008*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-DI530(Digital Input)

S/N 01BX00161407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC* 61131-2:2007 (Zone B)

IEC 61000-4-6:2013

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Test report: L13-10008-T2/5

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10008

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-DI530(Digital Input)

S/N 01BX00161407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-8:2008

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Test report: L13-10009-T2/1

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10009*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-A0672(Analog Output)

S/N 01AX00021530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-2:2008

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Prepared By: Test Engineer

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LQF-510-02

Test report: L13-10009-T2/2

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10009

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-A0672(Analog Output)

S/N 01AX00021530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

Issue Date: 15-Dec-15

No. of pages: 9

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Test report: L13-10009-T2/3

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10009*

Equipment Under Test: DCS/FCS

Model/Type : MAPCS1-A0672(Analog Output)

S/N : 01AX00021530 Rating : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-5:2005

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Test report: L13-10009-T2/4

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10009*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-A0672(Analog Output)

S/N

01AX00021530

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007 (Zone B)*

IEC 61000-4-6:2013

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Test report: L13-10009-T2/5

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10009

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-A0672(Analog Output)

01AX00021530 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-8:2008

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LQF-510-02

Test report: L13-10010-T2/1

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10010*

Equipment Under Test: DCS/FCS

MAPCS1-AI622(Analog Input) Model/Type

01BX00061417 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-2:2008

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Test report: L13-10010-T2/2

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EMC TEST REPORT

Project No.: *L13-10010*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-Al622(Analog Input)

S/N 01BX00061417 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC* 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

Issue Date: 15-Dec-15

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Test report: L13-10010-T2/3

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EMC TEST REPORT

Project No.: L13-10010

Equipment Under Test: DCS/FCS

Model/Type : MAPCS1-Al622(Analog Input)

S/N : 01BX00061417 Rating : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-5:2005

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Test report: L13-10010-T2/4

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EMC TEST REPORT

Project No.: *L13-10010*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI622(Analog Input)

S/N 01BX00061417 12 VDC ±10% Rating

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC* 61131-2:2007 (Zone B)

IEC 61000-4-6:2013

Issue Date: 15-Dec-15

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Test report: L13-10010-T2/5

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EMC TEST REPORT

Project No.: *L13-10010*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI622(Analog Output)

S/N 01BX00061417 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

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Issue Date: 15-Dec-15

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Test report: L13-10011-T2/1

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EMC TEST REPORT

Project No.: L13-10011

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-A0673(Analog Output)

S/N Rating 01AX00041529 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-2:2008

Issue Date: 15-Dec-15

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Test report: L13-10011-T2/2

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10011*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-A0673(Analog Output)

S/N Rating 01AX00041529

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

Issue Date: 15-Dec-15

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Test report: L13-10011-T2/3

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10011

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-A0673(Analog Output)

S/N

01AX00041529

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10011-T2/4

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EMC TEST REPORT

Project No.: L13-10011

Equipment Under Test: DCS/FCS

MAPCS1-A0673(Analog Output) Model/Type

S/N 01AX00041529 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

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EMC TEST REPORT

Project No.: L13-10011

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-A0673(Analog Output)

S/N 01AX00041529 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

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Test report: L13-10012-T2/1

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10012

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI623(Analog Input)

S/N 01BX00041417 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC* 61131-2:2007 (Zone B)

IEC 61000-4-2:2008

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Test report: L13-10012-T2/2

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EMC TEST REPORT

Project No.: *L13-10012*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-Al623(Analog Input)

S/N Rating 01BX00041417 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC* 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

Issue Date: 15-Dec-15

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Test report: L13-10012-T2/3

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10012

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI623(Analog Input)

S/N 01BX00041417 12 VDC ±10% Rating

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-5:2005

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Test report: L13-10012-T2/4

Page 1 of 9

EMC TEST REPORT

Project No.: L13-10012

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI623(Analog Input)

01BX00041417 S/N Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10012-T2/5

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EMC TEST REPORT

Project No.: *L13-10012*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI623(Analog Input)

S/N 01BX00041417 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007 (Zone B)*

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Test report: L13-10013-T2/1

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EMC TEST REPORT

Project No.: *L13-10013*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-Al621(Analog Input)

S/N 01AX00031530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10013-T2/2

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EMC TEST REPORT

Project No.: L13-10013

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-Al621 (Analog Input)

S/N 01AX00031530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-4:2012

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Test report: L13-10013-T2/3

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10013*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI621(Analog Input)

S/N 01AX00031530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10013-T2/5

Page 1 of 9

EMC TEST REPORT

Project No.: *L13-10013*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI621(Analog Input)

S/N 01AX00031530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

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Test report: L13-10005-T2/6

Page 1 of 10

LQF-510-02

EMC TEST REPORT

Project No.: *L13-10005*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-MPU431(Main Processing Unit)

S/N 01BX01621407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007 (Zone B)*

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Test report: L13-10005-T2/7

Page 1 of 10

LQF-510-02

EMC TEST REPORT

Project No.: L13-10005

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-MPU431 (Main Processing Unit) S/N 01BX01621407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007 (Zone B)

CISPR 16-2-3:2006

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Test report: L13-10006-T2/6

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EMC TEST REPORT

Project No.: L13-10006

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-D0571(Digital Output)

S/N Rating

01BX00701407 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-3:2010

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Test report: L13-10006-T2/7

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LQF-510-02

EMC TEST REPORT

Project No.: L13-10006

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-D0571(Digital Output)

S/N Rating 01BX00701407

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007 (Zone B)*

CISPR 16-2-3:2006

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Test report: L13-10007-T2/6

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LQF-510-02

EMC TEST REPORT

Project No.: *L13-10007*

Equipment Under Test: DCS/FCS

Model/Type MAPC1-D0580(Digital Output)

S/N AA1011AM0002 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007 (Zone B)*

IEC 61000-4-3:2010

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Test report: L13-10007-T2/7

Page 1 of 10

LQF-510-02

EMC TEST REPORT

Project No.: *L13-10007*

Equipment Under Test: DCS/FCS

Model/Type

MAPC1-D0580(Digital Output)

S/N Rating AA1011AM0002 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007 (Zone B)*

CISPR 16-2-3:2006

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Test report: L13-10008-T2/6

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EMC TEST REPORT

Project No.: *L13-10008*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-DI530(Digital Input)

S/N Rating 01BX00161407 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007 (Zone B)*

IEC 61000-4-3:2010

Issue Date: 12-Jan-16

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Test report: L13-10008-T2/7

Page 1 of 10

LQF-510-02

EMC TEST REPORT

Project No.: *L13-10008*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-DI530(Digital Input)

S/N 01BX00161407 12 VDC ±10% Rating

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007 (Zone B)*

CISPR 16-2-3:2006

Issue Date: 12-Jan-16

No. of pages: 10

repared By: Test Engineer 4. A. Sakhaei

Verified By: Technical Manager

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Test report: L13-10009-T2/6

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LQF-510-02

EMC TEST REPORT

Project No.: *L13-10009*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-A0672(Analog Output)

S/N Rating 01AX00021530 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007 (Zone B)*

IEC 61000-4-3:2010

Issue Date: 12-Jan-16

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repared By: Test Engineer A. A. Sakhaei

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Test report: L13-10009-T2/7

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LQF-510-02

EMC TEST REPORT

Project No.: *L13-10009*

Equipment Under Test: DCS/FCS

Model/Type

: MAPCS1-A0672(Analog Output)

S/N Rating : 01AX00021530 : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

CISPR 16-2-3:2006

Issue Date: 12-Jan-16

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Prof. B. Vahid

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Test report: L13-10010-T2/6

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LQF-510-02

EMC TEST REPORT

Project No.: L13-10010

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI622(Analog Input)

S/N 01BX00061417 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-3:2010

Issue Date: 12-Jan-16

No. of pages: 10

Prepared By: Test Engineer

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Test report: L13-10010-T2/7

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LQF-510-02

EMC TEST REPORT

Project No.: L13-10010

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-AI622(Analog Input)

S/N Rating

01BX00061417 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

CISPR 16-2-3:2006

Issue Date: 12-Jan-16

No. of pages: 10

Prepared By: Test Engineer A. A. Sakhaei

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Test report: L13-10011-T2/7

Page 1 of 10

LQF-510-02

EMC TEST REPORT

Project No.: *L13-10011*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-A0673(Analog Output)

S/N 01AX00041529 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007 (Zone B)*

CISPR 16-2-3:2006

Issue Date: 12-Jan-16

No. of pages: 10,

Prepared By: Test Engineer

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Verified By: Technical Manager

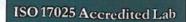
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Test report: L13-10012-T2/6

Page 1 of 10

LQF-510-02

EMC TEST REPORT

Project No.: *L13-10012*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-AI623(Analog Input)

S/N Rating 01BX00041417

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

IEC 61000-4-3:2010

Issue Date: 12-Jan-16

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Test report: L13-10012-T2/7

Page 1 of 10

LQF-510-02

EMC TEST REPORT

Project No.: L13-10012

Equipment Under Test: DCS/FCS

Model/Type : MAPCS1-A1623(Analog Input)

S/N : 01BX00041417 Rating : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

CISPR 16-2-3:2006

Issue Date: 12-Jan-16

No. of pages: 10

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Test report: L13-10013-T2/6 Page 1 of 10 LQF-510-02

EMC TEST REPORT

Project No.: *L13-10013*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI621(Analog Input)

S/N 01X00031530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007 (Zone B)*

IEC 61000-4-3:2010

Issue Date: 12-Jan-16

No. of pages: 10

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Test report: L13-10013-T2/7

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LQF-510-02

EMC TEST REPORT

Project No.: *L13-10013*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-AI621(Analog Input)

S/N Rating

01X00031530 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007 (Zone B)

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Issue Date: 12-Jan-16

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Test report: L13-10005-T4/1

Page 1 of 8

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10005*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-MPU431(Main Processing L

S/N

01BX01621407

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: IEC 61131-2:2007, IEC 60068-2-14 (Na)

Issue Date: 5-Jan-16

No. of pages: 8

Prepared By: Test Engineer R. Hanife

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Test report: L13-10005-T4/2

Page 1 of 7

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Environmental TEST REPORT

Project No.: *L13-10005*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-MPU431(Main Processing Uni

S/N

01BX01621407

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Nb)*

Issue Date: 5-Jan-16

No. of pages: 7

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Test report: L13-10006-T4/1

Page 1 of 8

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10006*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-D0571(Digital Output)

S/N

01BX00701407

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Na)*

Issue Date: 5-Jan-16

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Prepared By: Test Engineer

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Test report: L13-10006-T4/2

Page 1 of 8

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10006*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-D0571(Digital Output)

S/N 01BX00701407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Nb)*

Issue Date: 5-Jan-16

No. of pages: 7

Prepared By: Test Engineer

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Verified By: Technical Manager S. M. Mirfallah

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Test report: L13-10007-T4/1

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LQF-510-02

Environmental TEST REPORT

Project No.: L13-10007

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-D0580(Digital Output)

S/N

AA1011AM0002

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Na)*

Issue Date: 5-Jan-16

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Prepared By: Test Engineer R. Hanife

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Test report: L13-10007-T4/2

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Environmental TEST REPORT

Project No.: *L13-10007*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-D0580(Digital Output)

S/N

AA1011AM0002

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Nb)*

Issue Date: 5-Jan-16

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Page 1 of 8 Test report: L13-10008-T4/1

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10008*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-DI530(Digital Input)

S/N Rating 01BX00161407

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Na)*

Issue Date: 5-Jan-16

No. of pages: 8

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Test report: L13-10008-T4/2

Page 1 of 7

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10008*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-DI530(Digital Input)

S/N 01BX00161407 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Nb)*

Issue Date: 5-Jan-16

No. of pages: 7

Prepared By: Test Engineer

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Test report: L13-10009-T4/1

Page 1 of 8

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10009*

Equipment Under Test: DCS/FCS

Model/Type : MAPCS1-A0672(Analog Output

S/N : 01AX00021530 Rating : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007, IEC 60068-2-14 (Na)

Issue Date: 5-Jan-16

No. of pages: 8

Prepared By: Test Engineer

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Prof. B. Vahidi

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Test report: L13-10009-T4/2

Page 1 of 7

Environmental TEST REPORT

Project No.: L13-10009

Equipment Under Test: DCS/FCS

Model/Type : MAPCS1-A0672(Analog Output)

S/N : 01AX00021530 Rating : 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007, IEC 60068-2-14 (Nb)

Issue Date: 5-Jan-16

No. of pages: 7

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Test report: L13-10010-T4/1

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Environmental TEST REPORT

Project No.: *L13-10010*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI622(Analog Input)

S/N 01BX00061417 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Na)*

Issue Date: 5-Jan-16

No. of pages: 8

Verified By: Technical Manager Prepared By: Test Engineer

> S. M. Mirfallah R. Hanife.

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Test report: L13-10010-T4/2

Page 1 of 7

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10010*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-AI622(Analog Input)

S/N Rating 01BX00061417

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: *MECO-MAPCS*

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Nb)*

Issue Date: 5-Jan-16

No. of pages: 7

Verified By: Technical Manager

S. M. Mirfallah

Approved By:

Vice President of

Prepared By: Test Engineer

S. Jamshidi

Engineering Deputy of Test and Inspection

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Test report: L13-10011-T4/1

Page 1 of 8

LQF-510-02

Environmental TEST REPORT

Project No.: L13-10011

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-A0673(Analog Outpu

S/N

01AX00041529

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Na)*

Issue Date: 5-Jan-16

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Test report: L13-10012-T4/1

Page 1 of 8

LQF-510-02

Environmental TEST REPORT

Project No.: L13-10012

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-AI623(Analog Input)

S/N

01BX00041417

Rating

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007, IEC 60068-2-14 (Na)

Issue Date: 5-Jan-16

No. of pages: 8

Prepared By: Test Engineer R. Hanife

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LQF-510-02

Test report: L13-10012-T4/2

Page 1 of 7

Environmental TEST REPORT

Project No.: L13-10012

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI623(Analog Input)

S/N 01BX00041417 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Nb)*

Issue Date: 5-Jan-16

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Test report: L13-10013-T4/1

Page 1 of 8

LQF-510-02

Environmental TEST REPORT

Project No.: *L13-10013*

Equipment Under Test: DCS/FCS

Model/Type

MAPCS1-AI621 (Analog Input)

S/N Rating 01AX00031530

12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: *IEC 61131-2:2007*, *IEC 60068-2-14 (Na)*

Issue Date: 5-Jan-16

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Test report: L13-10013-T4/2

Page 1 of 7

Environmental TEST REPORT

Project No.: *L13-10013*

Equipment Under Test: DCS/FCS

Model/Type MAPCS1-AI621 (Analog Input)

S/N 01AX00031530 Rating 12 VDC ±10%

Manufactured By: MECO-MAPCS

Applicant: MECO-MAPCS

Tested According To: IEC 61131-2:2007, IEC 60068-2-14 (Nb)

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