

**UL International Demko A/S**

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An Affiliate of  
**Underwriters  
Laboratories Inc.®**

Underwriters Laboratories Inc.  
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IL-60062  
USA

Ref. 07NK10717

Contact Person	Examiner	Our reference	Direct phone	Date
Susan K. Kim	Ulla Jakobsen	143715-01	+45 44 85 63 27	2007-09-13

Dear Sirs,

**Your order executed by UL International Demko A/S**

UL International Demko A/S has the pleasure of enclosing Type Examination Certificate No. Demko 07ATEX 0710717X.

Your attention is also drawn to UL International Demko A/S Standard Terms and Conditions. Should you have any questions regarding the above, please contact UL International Demko A/S.

UL International Demko A/S is at your disposal should you require additional information about our services, such as information on the GOST R certification for Russia, CCC certification for China and certification for other countries requested by you to meet the needs of your company.

We would like to take the opportunity to thank you for the co-operation and hope you will make use of our services in the future.

Yours sincerely,

Ulla Jakobsen  
Certification Project Handler



# TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use  
in Potentially Explosive Atmospheres  
Directive 94/9/EC

Type Examination Certificate Number: DEMKO 07 ATEX 0710717X

Equipment: 1700092 MVI56XXX, 1700119 MVI56XXX, 1800006 MVI56-AFC, 1800009 MVI56-DEM, 1800010 MVI56-MBP, 1800013 MVI56-PDPS Communications Modules

Manufacturer: Prosoft Technology Inc.

Address: 4<sup>th</sup> FL 1675 Chester Ave. Bakersfield, CA 93301, USA

This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

UL International Demko A/S certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 3 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to the European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential report number 07NK10717

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to Standards:

**EN60079-15:2003**

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This Type examination certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

The marking of the equipment or protective system shall include the following:

 II 3 G EEx nA IIC T4

On behalf of UL International Demko A/S

Herlev, 2007-09-10

Jan-Erik Storgaard  
Certification Manager

## UL International Demko A/S

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# Schedule

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## TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 0710717X

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### Description of Equipment:

Communications Modules, Models 1700092, 1700119, 1800006, 1800009, 1800010, 1800013 followed by MVI56-XXX are industrial communications modules. These are input output communications modules which support serial industrial firmware based protocols via generic Serial and Ethernet interfaces. Lists of models covered and product descriptions are as follows:

Nomenclature for type 1700092 MVI56-XXX and 1700119 MVI56-XXX

<u>1700092</u>	<u>MVI56-</u>	<u>XXX</u>
I	II	III

I – 1700092 - Generic serial modules  
1700119 - Ethernet modules

II - MVI56 – Series number

III XXX – represents software and firmware variations with alpha-numeric characters.

For all other models:

All other Model Numbers	Product Description
1800006 MVI56-AFC	Gas and Flow Computer uses serial port
1800009 MVI56-DEM	Honeywell DE Communications Modules
1800013 MVI56-PDPS	Profibus Slave DP Communications Module
1800010 MVI56-MBP	Modbus Plus Dual Port Communication Module for ControlLogix

### Temperature range

The ambient temperature range is 0 °C to +60 °C.

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range

0 °C to +60 °C

Temperature class

T4

### Electrical data

Supplied from Backplane:

5.1 Vdc, 800 mA

24 Vdc, 3 mA

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# Schedule

## TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 0710717X

### Installation instructions

These products are intended to be mounted in a IP54 enclosure.

The devices shall provide external means to prevent the rated voltage being exceeded by transient disturbances of more than 40%.

This device must be used only with ATEX certified backplanes.

### Routine tests

A routine Dielectric Strength test is required per EN60079-15:2003, clause 27.

### [16] Descriptive Documents

Project Report No.: 07NK10717

#### Drawings:

Number	Date	Description
MVI56-AFC ASSY 1800006, rev. 1.03	2007/01	Label for 1800006 MVI56-AFC
MVI56-DEM ASSY 1800009, rev. 1.03	2007/01	Label for 1800009 MVI56-DEM
MVI56-MBP ASSY 1800010, rev. 1.03	2007/01	Label for 1800010 MVI56-MBP
MVI56-PDPS ASSY 1800013, rev. 1.03	2007/01	Label for 1800013 MVI56-PDPS
MVI56-MNET ASSY 1700119, rev. 1.03	2007/01	Label to represent 1700119 MVI56-XXX
MVI56-MCM ASSY 1700092, rev. 1.03	2007/01	Label to represent 1700092 MVI56-XXX
MVIBB Battery backed RAM Module, rev. 1.2	2003/01/10	MVIBB Battery backed RAM Module (schematic) (Model 1800006)
MVIBB, rev. 1	2005/04/11	MVIBB- (Bill of Materials) (Model 1800006)
MVI56-DEM, rev. 1.0, 7 pages	2001/06/13	MVI-DEM Schematic (Model 1800009)
MVI-DEM, rev. 4, 2 pages	2002/05/02	MVI-DEM BOM(Model 1800009)
MVI-MBP Communications (Dual Port), rev. 1.0, 2 pages	2004/05/11	MVI-MBP Communications (Dual Port schematic) (Model 1800010)
MVI-MBP2, rev. 1.2	2004/08/13	MVI-MBP Bill of Materials (Model 1800010)
MVI-PDPS, rev. 1.2	2005/10/25	MVI-PDPS(Model 1800013) Bill of Materials
MVI-PDPS Profibus DP Slave, rev. 1.2, 2 pages	2004/11/08	MVI-PDPS Profibus DP Slave(schematic) (Model 1800013)
1600153	2000/02/08	56MVI Mechanical Assembly
1675 ATEX	2007/08/13	ATEX Content Requirements for User Manuals

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# Schedule

## TYPE EXAMINATION CERTIFICATE No. DEMKO 07 ATEX 0710717X

[17] Special Conditions for Safe Use

These products are intended to be mounted in an IP54 enclosure.

The devices shall provide external means to prevent the rated voltage being exceeded by transient disturbances of more than 40%.

This device must be used only with ATEX certified backplanes.

[18] Essential Health and Safety Requirements

Concerning EHSR that are not addressed by the standards listed in this certificate have been identified and individually assessed in Report No. 07NK10717.

[19] Conditions of Certification

Conditions for the manufacturer

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in ANNEX III to Directive 94/9/EC of the European Parliament and the Council of 23 March 1994.

On behalf of UL International Demko A/S

Herlev, 2007-09-10



Jan-Erik Storgaard  
Certification Manager

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