

# CERTIFICATE OF CONFORMITY

**Certificate No.:** 2016-04-14-4786881839.2.1

**Issue Date:** 2016-04-14



**Product:** Electronic Controlgear for LED modules

**Applicant:** SHANGHAI MOONS' AUTOMATION CONTROL CO LTD  
BLDG 29, 4TH FL, CAOHEJING HI-TECH PARK, 69 GUIQING  
RD, SHANGHAI, 200233, CHINA

**Manufacturer:** SHANGHAI MOONS' AUTOMATION CONTROL CO LTD  
BLDG 29, 4TH FL, CAOHEJING HI-TECH PARK, 69 GUIQING  
RD, SHANGHAI, 200233, CHINA

**Factory:** SHANGHAI MOONS' AUTOMATION CONTROL CO LTD  
BLDG 29, 4TH FL, CAOHEJING HI-TECH PARK, 69 GUIQING  
RD, SHANGHAI, 200233, CHINA

**Model/Type ref.:** See Appendix page

**Rating:** See Appendix page

**Standard(s):** IEC 61347-2-13:2014 (Second Edition) used in  
conjunction with IEC 61347-1:2007 (Second Edition)  
+ A1:2010 + A2:2012

**Report no:** 4786881839.2.1-1

**UL-CCIC has determined that the sample(s) tested conform with the requirements of the above mentioned standard(s)**

*The Member States of the EU shall presume compliance with the provision of the Low Voltage Directive (LVD) 2014/35/EU of 26 February 2014, the rules for CE conformity marking of the product within the LVD, when a Declaration of Conformity with the LVD has been completed and the additional requirements of Annex IV regarding internal production control and the presence of technical documentation, are complied with.*

*This Statement is only valid for products, which are identical to the tested products, and manufactured at the above mentioned production site. This document contains 1 page.*



**UL-CCIC Company Limited**

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A handwritten signature in black ink, appearing to read 'Jackie Xu'.

Jackie Xu  
Engineering Manager

Appendix Page

Model	Output			Output Channel	Ta (°C)	Tc (°C)
	Voltage (VDC)	Current (mADC)	Power (W)			
MU050I180AQI21	8-50	0.2-1.8	50	1	65	90
MU050I180AQI11	8-50	0.2-1.8	50	1	65	90
MU050I150BQI21	8-50	0.2-1.5	50	2	65	90
MU050I150BQI81	8-50	0.2-1.5	50	2	65	90
MU050I150BQI31	8-50	0.2-1.5	50	2	65	90
MU050I150BQI11	8-50	0.2-1.5	50	2	65	90

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conjunction with IEC 61347-1:2007 (Second Edition)  
+ A1:2010 + A2:2012

**Report no:** 4786881839.2.1-2

**UL-CCIC has determined that the sample(s) tested conform with the requirements of the above mentioned standard(s)**

*The Member States of the EU shall presume compliance with the provision of the Low Voltage Directive (LVD) 2014/35/EU of 26 February 2014, the rules for CE conformity marking of the product within the LVD, when a Declaration of Conformity with the LVD has been completed and the additional requirements of Annex IV regarding internal production control and the presence of technical documentation, are complied with.*

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Model	Output			Output Channel	Ta (°C)	Tc (°C)
	Voltage (VDC)	Current (ADC)	Power (W)			
MU050I105DQI81	8-50	0.2-1.05	50	4	61	90
MU050I105DQI51	8-50	0.2-1.05	50	4	61	90
MU050I105BQI51	8-50	0.2-1.05	50	2	61	90

# UL TYPE EXAMINATION CERTIFICATE

<b>Certificate No.</b>	UL TEC-00386
<b>Page</b>	1/2
<b>Date of Issue</b>	2016-04-19
<b>Applicant</b>	SHANGHAI MOONS' AUTOMATION CONTROL CO LTD BLDG 29, 4TH FL CAOHEJING HI-TECH PARK 69 GUIQING RD SHANGHAI, 200233 China
<b>Manufacturer</b>	SHANGHAI MOONS' AUTOMATION CONTROL CO LTD BLDG 29, 4TH FL CAOHEJING HI-TECH PARK 69 GUIQING RD SHANGHAI, 200233 China
<b>Product Sample Description Designation</b>	Electronic Controlgear for LED modules MU050I180AQI11, MU050I150BQI11, MU050I150BQI21, MU050I150BQI31, MU050I150BQI81, MU050I180AQI21
<b>Ratings</b>	Input: 100-240 V~, 50/60 Hz, 0.7 A max, 70 W max, tc 90 °C,  Output: 8-50 Vdc , 0.2-1.8 A, 50 W, SELV (See Page 2 for variants)
<b>Product Sample Tested and found in compliance with Standard(s)</b>	IEC 61347-1(ed.2), IEC 61347-1(ed.2);am1, IEC 61347-1(ed.2);am2, IEC 61347-2-13(ed.2)
<b>Test Report Nos. Additional information</b>	4786881839.2.1-1 issued on 2016-04-14 See Page 2

**Certification Manager**  
Jan-Erik Storgaard

**Certification Body**

This is to certify that the sample(s) of the Product described herein has been investigated and found to have been in compliance with the Standard(s) indicated on this Certificate, in accordance with the UL Type Examination Certificate Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Applicant. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The Applicant/Manufacturer are solely and fully responsible for conformity of all products to all applicable Standard(s), specifications or requirements. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

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# UL TYPE EXAMINATION CERTIFICATE

Certificate No. UL TEC-00386  
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Date of Issue 2016-04-19

## Additional Information:

Additionally evaluated to EN 61347-2-13:2014 and EN 61347-1: 2008/ A1:2011/ A2:2013.  
National Differences specified in the CB Test Report.


## Variants:

### Variants difference:

Models listed below are identical to each other except noted as below:

Model name	Dimming Interface
MU050I180AQI11 MU050I150BQI11	0-10V (isolated)
MU050I150BQI21	DALI (Dual address)
MU050I150BQI31	DALI (single address)
MU050I180AQI21	DALI
MU050I150BQI81	DT8

### Variants with their specific ratings:

Series No.	Input	Output Voltage (V dc)	Output Current (A dc) (*)	Max output Power (W)	Output Channel	Output SELV circuit
MU050I180AQI21	100-240 V ~, 50/60 Hz, 0.7 A max 70 W max, tc 90 °C, ta 65 °C  symbol 	8-50	0.2-1.8	50	1	SELV
MU050I180AQI11		8-50	0.2-1.8	50	1	SELV
MU050I150BQI21		8-50	0.2-1.5	50	2	SELV
MU050I150BQI81		8-50	0.2-1.5	50	2	SELV
MU050I150BQI31		8-50	0.2-1.5	50	2	SELV
MU050I150BQI11		8-50	0.2-1.5	50	2	SELV

(\*) Note: The maximum rated output current could be set down in factory.

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<b>Date of Issue</b>	2016-04-19
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<b>Manufacturer</b>	SHANGHAI MOONS' AUTOMATION CONTROL CO LTD BLDG 29, 4TH FL CAOHEJING HI-TECH PARK 69 GUIQING RD SHANGHAI, 200233 China
<b>Product Sample Description</b>	Electronic Controlgear for LED modules
<b>Designation</b>	MU050I105BQI51, MU050I105DQI51, MU050I105DQI81
<b>Ratings</b>	Input: 100-240 V~, 50/60 Hz, 0.7 A max, 70 W max, tc 90°C,  Output: 8-50 V , 0.2-1.05 A, 50 W, SELV (See Page 2 for variants)
<b>Product Sample Tested and found in compliance with Standard(s)</b>	IEC 61347-1(ed.2), IEC 61347-1(ed.2);am1, IEC 61347-1(ed.2);am2, IEC 61347-2-13(ed.2)
<b>Test Report Nos.</b>	4786881839.2.1-2 issued on 2016-04-14
<b>Additional information</b>	See Page 2

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Additionally evaluated to EN 61347-2-13:2014 and EN 61347-1: 2008/ A1:2011/ A2:2013.  
 National Differences specified in the CB Test Report.


**Variants:**

**Variants difference:**

Models listed below are identical to each other except noted as below:

Model name	Dimming Interface
MU050I105DQI81	DALI
MU050I105DQI51	DMX
MU050I105BQI51	DMX

**Variants with their specific ratings:**

Series No.	Input	Output Voltage (V dc)	Output Current (A dc) (*)	Max output Power(W)	Output Channel	Output SELV circuit
MU050I105DQI81	100-240 V~, 50/60 Hz, 0.7 A max 70 W max,	8-50	0.2-1.05	50	4	SELV
MU050I105DQI51		8-50	0.2-1.05	50	4	SELV
MU050I105BQI51	tc 90 °C, ta 61 °C  symbol 	8-50	0.2-1.05	50	2	SELV

(\*) Note: The maximum rated output current could be set down in factory.

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