

# UL TYPE EXAMINATION CERTIFICATE

## Low Voltage Directive 2014/35/EU




**Certificate No.** UL TEC-00453  
**Page** 1/2  
**Date of Issue** 2016-10-27

**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

**Product Sample Description** Electronic Controlgear for LED modules

**Designation** MU260H420AQxy, MU260H520AQxy, MU260H600AQxy,  
 MU260H720AQxy, See Page 2

**Ratings** Input: 120-240 V~, 50/60 Hz, 2.7 A max,  
 290 W max, ta 64°C, tc 87 °C,   

Output: 22-54VDC, 4800-7200 mA, 260 W max, SELV  
 (see test report for variants)

**Product Sample Tested and found in compliance with Standard(s)** EN 61347-2-13:2014, EN 61347-1:2008,  
 EN 61347-1:2008/A1:2011, EN 61347-1:2008/ A2:2013

**Test Report Nos.** 4787512273-1 issued on 2016-10-27

**Additional information** -

**Certification Manager**  
 Jan-Erik Storgaard

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 above mentioned harmonized Standard(s) per Article 12 of Directive 2014/35/EU of the European Parliament of the Council of 26 February 2014 on the harmonisation of the laws of Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits, in accordance with the UL Type Examination Certificate Program Requirements.

As stated in Article 6 of Directive 2014/35/EU, "When placing their electrical equipment on the market, manufacturers shall ensure that it has been designed and manufactured in accordance with the safety objectives referred to in Article 3 and set out in Annex I" and "Manufacturers shall draw up the technical documentation referred to in Annex III and carry out the conformity assessment procedure referred to in Annex III or have it carried out". This remains the responsibility of the manufacturer and is not covered as part of this certificate.

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 any declaration of ongoing 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.

**Certification Body** UL International Demko A/S, Borupvang 5A,  
 DK-2750 Ballerup, Denmark, Tel. +45 44 85 65 65,  
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## Low Voltage Directive 2014/35/EU

Certificate No.	UL TEC-00453
Page	2/2
Date of Issue	2016-10-27

**Model Details:**

MU260H420AQxy, MU260H520AQxy, MU260H600AQxy, MU260H720AQxy

The variant "xy" in model name to indicate different dimming function and enclosure construction noted as test report

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# UL TYPE EXAMINATION CERTIFICATE

## Low Voltage Directive 2014/35/EU



**Certificate No.** UL TEC-00454  
**Page** 1/2  
**Date of Issue** 2016-10-28

**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

**Product Sample Description** Electronic Controlgear for LED modules

**Designation** MU260H105AQxy, MU260H150AQxy, MU260H210AQxy,  
 MU260H300AQxy, See Page 2

**Ratings** Input: 120-240 V~, 50/60 Hz, 2.7 A max,  
 290 W max, ta 64°C, tc 87 °C,  

Output: 149-371VDC, 700-1050 mA, 260 W max,  
 (see test report for variants)

**Product Sample Tested and found in compliance with Standard(s)** EN 61347-2-13:2014, EN 61347-1:2008,  
 EN 61347-1:2008/A1:2011, EN 61347-1:2008/ A2:2013

**Test Report Nos.** 4787512273-2 issued on 2016-10-26

**Additional information** -

**Certification Manager**  
 Jan-Erik Storgaard

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 above mentioned harmonized Standard(s) per Article 12 of Directive 2014/35/EU of the European Parliament of the Council of 26 February 2014 on the harmonisation of the laws of Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits, in accordance with the UL Type Examination Certificate Program Requirements.

As stated in Article 6 of Directive 2014/35/EU, "When placing their electrical equipment on the market, manufacturers shall ensure that it has been designed and manufactured in accordance with the safety objectives referred to in Article 3 and set out in Annex I" and "Manufacturers shall draw up the technical documentation referred to in Annex III and carry out the conformity assessment procedure referred to in Annex III or have it carried out". This remains the responsibility of the manufacturer and is not covered as part of this certificate.

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# UL TYPE EXAMINATION CERTIFICATE

## Low Voltage Directive 2014/35/EU

Certificate No.	UL TEC-00454
Page	2/2
Date of Issue	2016-10-28

**Model Details:**

MU260H105AQxy, MU260H150AQxy, MU260H210AQxy, MU260H300AQxy,  
The variant "xy" in model name to indicate different dimming function and enclosure construction noted as test report

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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 above mentioned harmonized Standard(s) per Article 12 of Directive 2014/35/EU of the European Parliament of the Council of 26 February 2014 on the harmonisation of the laws of Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits, in accordance with the UL Type Examination Certificate Program Requirements.

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# CERTIFICATE OF CONFORMITY

**Certificate No.:** 2016-10-26-4787512273-2

**Issue Date:** 2016-10-26



**Product:** LED Control Gear

**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  
168 MING JIA RD, MIN-HANG DISTRICT, SHANGHAI, 201107,  
CHINA

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

**Rating:** See appendix page

**Standard(s):** EN 61347-2-13:2014; EN 61347-1:  
2008+A1:2011+A2:2013

**Report no:** 4787512273-3; 4787512273-4

**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. EMF not included.*

*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

MODELS*	V <sub>in</sub> (V~)	Freq Hz	I <sub>input</sub> (A)	P <sub>input</sub> (W)	V <sub>o</sub> (V <sub>---</sub> )	I <sub>o</sub> (mA)	Max Pout (W)	T <sub>a</sub> (°C)	t <sub>c</sub> (°C)
MU260H420AQxy	120-240	50/60	2.7	290	37-93	2800-4200	260W	64	87
MU260H520AQxy	120-240	50/60	2.7	290	30-50	520 - 5200	260W	64	87
MU260H600AQxy	120-240	50/60	2.7	290	26-65	4000-6000	260W	64	87
MU260H720AQxy	120-240	50/60	2.7	290	22-54	4800-7200	260W	64	87

MODELS*	V <sub>in</sub> (V~)	Freq Hz	I <sub>input</sub> (A)	P <sub>input</sub> (W)	V <sub>o</sub> (V <sub>---</sub> )	I <sub>o</sub> (mA)	Max Pout (W)	T <sub>a</sub> (°C)	t <sub>c</sub> (°C)
MU260H105AQxy	120-240	50/60	2.7	290	149-371	700-1050	260W	64	87
MU260H150AQxy	120-240	50/60	2.7	290	104-260	1000-1500	260W	64	87
MU260H210AQxy	120-240	50/60	2.7	290	74-186	1400-2100	260W	64	87
MU260H300AQxy	120-240	50/60	2.7	290	52-130	2000-3000	260W	64	87

(\*Note: The variant “xy” in model name to indicate different dimming function and enclosure construction noted as below:

Suffix “x”	Enclosure construction
Black	Enclosure construction 1
1	Enclosure construction 2

Suffix “y”	Dimming interface
Blank	No dimming
_CP	Programmed dimming
_CP/C	Programmed dimming with connector and cap
_0-10V	0-10V dimming
_DALI	DALI dimming
_CLKS	Time control
_CLKS/C	Time control with connector and cap