



America

# CERTIFICATE

No. U8V 11 10 34962 132

**Holder of Certificate:** **SynQor Inc.**  
 155 Swanson Road  
 Boxborough, MA 01719-1316  
 USA

**Production Facility(ies):** 34962

**Certification Mark:**



**Product:** DC converter

**Model(s):** NQ03025HMA20XXX  
 (See attachment for model designation & ratings.)

**Parameters:**

Rated Input Voltage:	3.0-3.6 V DC
Rated Output Voltage:	2.5 V DC
Rated Output Current:	20 A Max
Degree of Protection:	IPX0

**Tested according to:** CAN/CSA C22.2 No. 60950-1-07  
 UL 60950-1:2007  
 EN 60950-1/A1:2010

The product was voluntarily tested according to the relevant safety requirements and mentioned properties. It can be marked with the certification mark shown above. The certification mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles that described by ISO/IEC Guide 67, Conformity assessment - Fundamentals of product certification, System 3. See also notes overleaf.

**Test report no.:** 090-303504-000

**Date,** 2011-10-20

Page 1 of 3



Attachment to Certificate U8V 11 10 34962 132



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Typical Model Designation: NQ 03 025 H M A 20 XXX X  
 I II III IV V VI VII VIII IX

I – Model Series: NQ = NiQor, Non-Isolated, single-output  
 (listed values only)

Nominal  
 II – Input Voltage: 03 = 3.0-3.6 V  
 (listed values only) 04 = 3.0-5.5 V  
 05 = 4.5-5.5 V  
 10 = 10.2-13.2 V  
 12 = 9.6-14.4 V  
 15 = 6-15 V  
 16 = 6.0-16.0 V

Nominal  
 III – Output Voltage: All values up to 050 = 5.0 VDC maximum (single output)  
 W50 = 0.7-5.0 V  
 T50 = 0.7-5.0 V

IV – Package size : V – Vertical  
 (listed values only) H – Horizontal  
 S – Surface Mount – 0.53 x 1.3”  
 N – Surface Mount – without trim – 0.53x1.3 ”  
 P – SMT – SPA, 0.4x0.9”  
 Q – SMT with trim – SPA, 0.4 x 0.9”

V – Performance : M – Mega  
 (listed values only) G - Giga  
 K – Kilo

VI – Heat Spreader : A – Open Frame  
 (listed are examples only) B – Base plate

VII – Rated output current : 30 A max. 0.8-5.0 VDC  
 20 A max. 0-3.3 VDC  
 16 A max. 3.4-5.0 VDC

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Date, 2011-10-30  
 U8V 11 10 34962 132



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Model Designation: (cont)

VIII – Options Suffix: Suffix letters and/or numbers denoting non-safety-critical options such as, but not limited to, positive or negative logic, pin configuration, etc.

IX – Option Suffix G - Rohs

Note:

Maximum rated output power for Mega and Kilo series is 80 Watts.

Conditions of Acceptability:

When installed in the end product, consideration shall be given to the following:

1. All secondary output circuits are SELV and are not hazardous energy levels.
2. All models are intended to be supplied from an isolated secondary circuit.
3. Abnormal and Component Failure Tests for model NQ03025VMA15SRS was conducted with the power supply input protected by a 3AG , rated F125 V dc, 20 A. If a fuse greater than 20 A is used, additional testing may be required.
4. Model NQ03025VMA15SRS was tested with 300 LFM airflow

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U8V 11 10 34962 132

