



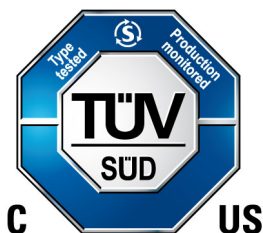
America

CERTIFICATE

No. U8V 034962 0315 Rev. 02

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

Certification Mark:



Product: Audio/Video, Information and Communication technology equipment
 EMI AC Line Filters

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited Certification body.

Test report no.: 72153310-100

Date, 2021-10-11

(William J. Stinson)



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Model(s): **MACF-060-230-HT-NS**
(see Model Differences and Part Number Nomenclature)

Brand Name: **SynQor**

Tested according to: CAN/CSA-C22.2 No. 62368-1:2014
UL 62368-1:2014

Parameters:

Rated Input Voltage:	100-240 V AC
Rated Frequency:	50-60 Hz
Rated Input Current:	9.0 A
Protection Class:	I
Degree of Protection:	IPX0

License Conditions:

1. The EMI filters are for building in and electrical and fire enclosure must be provided in the end system.
2. The input/output circuits are separated from the base plate by basic insulation based on 240 V working voltage.
3. The Base plate temperature cannot exceed 100°C.
4. Abnormal testing was performed with a littel fuse slo-blow (Half brick)12.5 A/250 V. If a larger fuse is used than abnormal testing must be performed.
5. Abnormal testing was performed with a littel fuse slo-blow (Eighth brick)6.3 A/250 V. If a larger fuse is used than abnormal testing must be performed.
6. Abnormal testing was performed with a littel fuse slo-blow (Single phase Quarter brick)6.3 A/250 V. If a larger fuse is used than abnormal testing must be performed.
7. Abnormal testing was performed with a littel fuse slo-blow (Three phase Quarter brick)10 A/250 V. If a larger fuse is used than abnormal testing must be performed.



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Model Differences:

MACF	060	230	H	T	C	S
I	II	III	IV	V	VI	VII

- I Product MACF – MILCOTS AC Line Filter Series
- II Frequency 060 = 50-60 Hz
400 = 400 Hz
- III Input Voltage 230 = 85 to 264 Vrms
Output 500W @ 115 Vrms
Output 1kW @ 230 V rms
- IV Package Size H = Half Brick (9 Arms)
- V Performance Level T = Tera
G – Giga
M = Mega
K = Kilo
- VI Thermal Design Options include but are not limited to:
C = Encased
D = Non threaded
F = Flanged
N = Encased Threaded
- VII Screening S = Standard
M = Military

MACF	U	230	E	T	N	S
I	II	III	IV	V	VI	VII

- I Product MACF – MILCOTS AC Line Filter Series
- II Frequency U = 45-800 Hz
- III Input Voltage 230 = 85 to 264 Vrms
Output 500 W @ 115 Vrms
Output 1kW @ 230 V rms
- IV Package Size E = Eighth Brick (5 Arms)
- V Performance Level T = Tera
- VI Thermal Design Options include but are not limited to:
N – Encased Threaded
F = Flanged
- VII Screening Level Burn-in duration, etc. (non-safety)



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Part Number Nomenclature Quarter Brick

ACF	U	230	QT	V	-G
I	II	III	IV	V	VI

- I Product ACF = AeroQor AC Line Filter Series
- II Input Frequency U = 45 to 800 Hz
- III Input Voltage 230 = 85 to 265 Vrms
- IV Package Size Performance Series QT = Quarter Brick Tera (5 Arms)
QM = Quarter Brick Mega (2 Arms)
- V Thermal Design C = Encased Threaded
V = Flanged
- VI 6/6 RoHS -G = 6/6 RoHS Compliant

Part Number Nomenclature Quarter Brick

MACF	115	3PH	UNV	QG	N	S
I	II	III	IV	V	VI	VII

- I Product MACF = MILCOTS AC Line Filter Series
- II Input Voltage 115 = 85 to 140 Vrms (L-N)
- III Phase 3PH = 3-Phase
- IV Filter Configuration UNV = 45 to 800 Hz
- V Package/Performance Series QG = Quarter-Brick, Giga Series (3A)
- VI Thermal Design N = Encased Threaded
F = Flanged
- VII Screening Level S = S-Grade
M = M-Grade

Part Number Nomenclature Quarter Brick

ACF	U	115	3PH	QG	C	-G
I	II	III	IV	V	VI	VII

- I Product ACF = AeroQor AC Line Filter
- II Filter Configuration U = 45 to 800 Hz
- III Input Voltage 115 = 85 to 140 Vrms (L-N)
- IV Phase 3PH = 3-Phase
- V Package/Performance Series QG = Quarter-Brick, Giga Series (3A)
- VI Thermal Design C = Encased Threaded
V = Flanged
- VII 6/6 RoHS -G = 6/6 RoHS Compliance



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MACF	U	230	Q	T	N	S
I	II	III	IV	V	VI	VII

- I Product MACF = MILCOTS AC Line Filter Series
- II Frequency U = 45 to 800 Hz
- III Input Voltage 230 = 85 to 264 Vrms
- IV Package Q = Quarter Brick
- V Performance Series T = Tera (5 Arms)
- VI Thermal Design N = Encased, Threaded
F = Flanged
- VII Screening S = S- Grade
M = M-Grad