



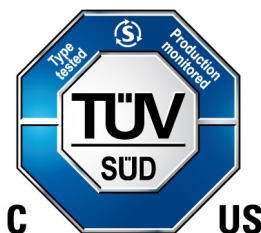
America

CERTIFICATE

No. U10 034962 0329 Rev. 05

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

Certification Mark:



Product: Audio/Video, Information and Communication technology equipment
Isolated DC-DC Converter

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

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. The certificate holder shall not transfer this certificate to third parties. 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, Certification, Validation and Verification Regulations (TCVVR)". For Canadian standards TÜV SÜD America Inc. is accredited by the Standards Council of Canada to ISO/IEC 17065.

Test report no.: 72195965-100

Date, 2025-02-11

(William Stinson)



America

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Model(s):

MCOTS-C-270-40-FE
MCOTS-C-270-60-FE
MCOTS-C-270F-xxx-DM
MCOTS-C-270-xx-HP
MCOTS-C-270-400HT
MCOTS-C-270F-xx-SK

Brand Name(s):

SynQor

Parameters:

Model	Input			Output		
	Voltage	Current		Voltage	Current	Power
MCOTS-C-270-40-FE	155-425 V DC	7.3 A		10-40 V DC	60 A max	1kW
MCOTS-C-270-60-FE	155-425 V DC	7.3 A		25-60 V DC	40 A max	1kW
MCOTS-C-270F-xxx-DM	200-300 V DC	.22 A		3.3-28 VDC	15 A max	50 W
MCOTS-C-270-xx-HP	230-425 V DC	3.2 A max		5-48 V DC	70 A max	528 W
MCOTS-C-270-400HP	155-425 V DC	3.5 A		400 VDC	.75 A max	300 W
MCOTS-C-270F-xx-SK	200-300 V DC	0.16 A		3.3-28 VDC	--	25 W



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MILCOTS 270 Full Brick Part Nomenclature

MCOTS-C	270	40	F	E	N	M	XXX
I	II	III	IV	V	VI	VII	VIII

I	Product	MCOTS-C – MILCOTs Converters
II	Input Voltage	270 = 155-425 Vdc
III	Output Voltage	40 = 10-40 Vdc 60 = 25-60 Vdc
IV	Package Size	F = Full Brick
V	Performance Series	E = Exa
VI	Heat Sink	N = Normal threaded F = Flanged D = Normal Non-threaded
VII	Screening level	S = S-Grade M = M-Grade
VIII	Options	Blank to 3 characters denoting non-safety options such as, but not limited to, positive or negative logic, pin configuration, etc.



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MILCOTS 270F Demi Brick Part Nomenclature

MCOTS-C	270F-	xxx-	D-	M-	N	S-	[]
I	II	III	IV	V	VI	VII	VIII

I Product MCOTS-C = MILCOTS Converter

II Input Voltage 270F = 200 – 300V
390 = 300-425 Vdc

III Output Voltage 3R3 = 3.3Vdc Single Output
05S = 5.0Vdc Single Output
12S = 12.0Vdc Single Output
28S = 28.0Vdc Single Output

IV Package Size D = Demi Brick

V Performance Series M = Mega Series

VI Heatsink Option N = Normal Threaded
F = Flanged

VII Screening Level S = S-Grade
M = M-Grade

VII Options [] = Standard Feature



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MILCOTS 270 Half Brick Part Nomenclature

MCOTS-C	270-	12-	H	P-	N-	S-	F
I	II	III	IV	V	VI	VII	VIII

I Product MCOTS-C = MILCOTS DC-DC Converters

II Input Voltage
 270 = 230-425Vdc
 270 = 200-425 Vdc (40V, 60V output only)
 270 = 155-425 Vdc (400V output only)

III Output Voltage
 05 = 5Vdc, 350 W
 07 = 7Vdc, 490 W
 12 = 12Vdc, 504 W
 15 = 15Vdc, 495 W
 28 = 28Vdc, 498 W
 40 = 40Vdc, 600 W
 48 = 48Vdc, 528 W
 60 = 60 Vdc, 600 W
 400 = 400Vdc, 300 W

IV Package Size H = Half Brick

V Performance Level
 E = Exa
 P = Peta
 T = Tera

VI Thermal Design
 N = Normal Threaded
 D = Non-Threaded
 F = Flanged

VII Screening Level
 S = S-Grade
 M = M-Grade

VIII Options
 [] = Standard feature
 F = Full Feature



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MCOTS DC-DC Converter

MCOTS-C-	270F-	28-	S-	K-	N-	S-	[]
I	II	III	IV	V	VI	VII	VIII

I Product MCOTS DC-DC Converters

II Input Voltage 270F = 200 – 300 VDC
390 = 300-425 VDC

III Output Voltage 3R3 = 3.3 VDC
05 = 5 VDC
12 = 12 VDC
28 = 28 VDC

IV Package Size S = Sixteenth Brick

V Performance Series K = Kilo

VI Heatsink Option N = Normal Threaded
F = Flanged

VII Screening Level S = S-Grade
M = M-Grade

VIII Options [] = Standard feature

Output Ratings:

	MCOTS-C-270F-3R3-SK	MCOTS-C-270F-05-SK	MCOTS-C-270F-12-SK	MCOTS-C-270F-28-SK
Output Voltage	3.3 VDC	5 VDC	12 VDC	28 VDC
Output Current	7.5 A	5.0 A	2.1 A	0.9 A
Output Power	25 W	25W	25W	25W

	MCOTS-C-390-3R3-SK	MCOTS-C-390-05-SK	MCOTS-C-390-12-SK	MCOTS-C-390-28-SK
Output Voltage	3.3 Vdc	5 Vdc	12 Vdc	28 Vdc
Output Current	7.5 A	5 A	2.1 A	0.9 A
Output Power	25W	25W	25W	25W