

EC Declaration of Conformity

Issuer's Name: **Artesyn Embedded Technologies, Inc.**
Issuer's Address: 3rd /4th Flr. Techno Plaza One Bldg.
18 Orchard Rd., Eastwood City Cyberpark,
Libis, Quezon City, Philippines

Product Description: **Embedded Power : AC-DC and DC-DC Power Conversion Solutions**

Type Designation: **Artesyn - Power Conversion Solutions Catalogue:
Issue API : 8.25.2016 and Table 1 (over)**

**We hereby certify that, to the best of our knowledge,
the designated products are in conformity with
European Directive, REACH, EC Regulation No.
1907/2006.**

For details of REACH SVHC's, please see the European Chemical Agency (ECHA) web site: <http://echa.europa.eu/web/guest/candidate-list-table>

REACH SVHC reporting in compliance with 1907/2006EC has and is being continuously verified via internal design controls, supplier declarations and/or analytical test data. The person signed below is duly authorized by **Artesyn Embedded Technologies Inc**, to sign on its behalf.



Lilibeth Cansancio
Materials Compliance Engineer
Artesyn Embedded Technologies, Inc.
Date: 27 / July / 2017

Table 1: Product Portfolio

Embedded Power Selector Guide

DC-DC

Modular

- MP Series**
Up to 1200 W
1 - 21 Outputs
- IMP Series**
Up to 1500 W
1 - 21 Outputs
- uMP Series**
Up to 1800 W
Up to 12 Outputs
- IVS Series**
Up to 3500 W
1 - 24 Outputs
- IHP Series**
Up to 25000 W
Up to 8 Outputs

Bulk/Distributed/Enclosed

- LCB Series**
35, 50, 100, 150 W
88 - 264 Vac
3.3 - 48 Vdc
- LCM Series**
300, 600, 1000, 1500 W
85 - 264 Vac
12 - 60 Vdc
- UFE Series**
1300 - 2000 W
85 - 264 Vac
24, 48 Vdc
- DS Series**
450 - 3000 W
90 - 264 Vac
12, 24, 48 Vdc
- HPS Series**
1 - 3000 W
90 - 264 Vac
48 Vdc

DC-DC

PFC

Full Brick (A/F)
3/4 Brick (A/T)
1/4 Brick (A/G)
PSE1000PFC

Telecom DCDC

1/8P brick 35 - 120 W; A/D, A/W, A/X
1/8P brick 50 - 240 W; A/Y
1/4 brick 50 - 600 W; A/Z, A/AG, A/AD
1/2 brick 300 - 600 W; A/ADGH
Full brick 500 - 600 W; A/GF

Industrial DCDC

0.9 by 0.5 DIP 3 W; A/A
1.2 by 0.8 DIP 24 W, 10 W; A/S
1 by 1; 10 W, 20 W; A/R
1 by 2; 15 W, 40 W, 50 W; A/E
1.6 by 2; 25 W, 30 W; A/T

Racks

- UFR**
1U, 6 kW
Accepts 3 UFE units
- DSR1**
1U, 6 kW
Accepts 5 DS units
- HPR1**
1U, 12 kW
Accepts 4 HPS3000

High Power

Full Brick (A/F)
3/4 Brick (A/T)
1/2 Brick (A/H)
1/4 Brick (A/G)
PSE 1000 DC-12

Non-Isolated DCDC

C2 Class 3 - 90A, 600, 800, 9L
LGA package 3 - 20 A, LGA
POLA package 6 - 60 A, PTH

Medical DCDC

1 by 2; Medical 10 W, 15 W, 20 W; A/E

Railway DCDC

1 by 2; Railway 10 W, 20 W; A/RM
1/4 brick Railway 50 W, 75 W; A/RM

Special

Adapters

- DCH Series**
3 W
5 V
- DA Series**
5 - 12 W
5 V
- AD Series**
24 W
12 V
- DP Series**
5 - 54 V

Open Frame

- 2x4**
NPS20-M 25 - 40 W
NPS40-M 45 - 60 W
NPT40-M 45 - 55 W
LPT50/50-M 47.4 - 55 W
LPS50/50-M 55 - 60 W
NPS60-M 60 W
LPT100-M 80 - 130 W
LPS100-M 100 - 150 W
CPS250-M 150 - 250 W
- 3x5**
LP90 25 - 40 W
LP40/40-M 40 - 55 W
NLP65 65 - 75 W
LP60/60-M 60 - 80 W
TLP150 100 - 150 W
LPS200-M 100 - 200 W
LPS200-M 125 - 250 W
LPS360-M 200 - 350 W
- 4x7**
LPQ140 80 - 145 W
NLP250 175 - 250 W
NTS350 200 - 350 W
NTS300/500-M 200 - 500 W

Fanless/Conduction Cooled

- 4x7**
LCC250 250 W
- 4x9**
LCC600 600 W

ADN-C & ADN-B-C Series
40 - 960 W
Single & 3-phase
Approved for UL508 &
Hazardous Locations

For more information and a complete overview of Embedded Power products and services go to www.Artesyn.com/power

Table 2 : SVHC Candidate List

SVHC Candidate Lists: <http://echa.europa.eu/web/guest/candidate-list-table>

Date of Recommendation	Amount
28/10/2008	15
13/01/2010	13
30/03/2010	1
18/06/2010	8
15/12/2010	8
20/06/2011	7
19/12/2011	20
18/06/2012	13
19/12/2012	54
20/06/2013	6
16/12/2013	7
16/06/2014	4
17/12/2014	6
15/06/2015	2
17/12/2015	5
20/06/2016	1
12/01/2017	4

SVHC Candidate Lists: http://echa.europa.eu/web/guest/candidate-list-table	
07/07/2017	1
Total	174

Note : Pursuant to the European Court of Justice ruling published Sept 15th - 2015, we are additionally notifying the possible presence of SVHC's **in excess of 0.1% w/w** within simple articles (e.g. components) used to produce a complex product per appropriate survey of select model within product series.

Name of SVHC substance	CAS NO.	Content concentration (%)	Location/s (which component contain)
Boric acid	10043-35-3	2.718%	Capacitors
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.125%	Tape
N,N-dimethylacetamide	127-19-5	2.361%	Tape, insulator
Diboron trioxide	1303-86-2	1.440%	Capacitors, resistors, diodes
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i><i>[The individual isomers [2], [3] and [4] (including their cis- and trans-stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]</i></i>	19438-60-9	7.597%	Capacitors
Lead monoxide (lead oxide)	1317-36-8	5.805%	Resistors; diodes; timing devices
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] <i><i>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]</i></i>	85-42-7	13.214%	Capacitors
Lead titanium trioxide	12060-00-3	16.387%	Thermistors; capacitors
Cadmium oxide	1306-19-0	0.265%	Switch

We will continue to update the REACH COC when new SVHCs are added to the ECHA list. An EC Declaration of Conformity to REACH - EC Regulation No 1907/2006 per individual **Unit Model Number** is available upon request.... Contact your Artesyn Embedded Technologies Sales Representative.