

DECLARATION OF CONFORMITY



FUSION Series SCR Power Controller

Control Concepts, Inc.
18760 Lake Drive East
Chanhassen, MN 55317 USA

Declares that the following product:

Designation: FUSION Series Power Controller
Model Numbers: Model Fusion followed by ZC, PA or DC, followed by 1, 2 or 3, followed by 1 through 9 or A through E, followed by O, S or E, may be followed by numbers and/or letters, may be followed by numbers and/or letters, may be followed by NS, may be followed by numbers and/or letters.
Classification: Solid State Power Controller, Class I, Pollution Degree II
Rated Voltage: 24 - 600 Vac
Rated Frequency: 45 - 65 Hz

Meets the essential requirements of the following European Union Directive(s) using the relevant section(s) of the normalized standards and related documents shown:

EN 60947-4-3: 2000 Low-voltage switchgear and controlgear

EMC Directive 2004/108/EC

-EN 61000-6-2: 2005

- EN61000-4-2: 1995 + Amendments A1:1998 + A2: 2001
- EN61000-4-3: 2006
- EN61000-4-4: 2004 + Corrigendum 2004
- EN61000-4-5: 2006
- EN61000-4-6: 2007
- EN61000-4-8: 1993 + Amendment A1: 2001
- EN61000-4-11 Second Edition: 2004

- ESD Immunity
- Radiated Immunity
- EFT / Burst Immunity
- Surge Immunity
- Conducted Immunity
- Magnetic Field Immunity
- Voltage Dips & Interruptions

-EN 61000-6-4: 2007

Conducted & Radiated Emissions

Note 1: All power terminals must be populated as to keep the controller touch safe to comply with EN 60947-4-3.

Note 2: Controller must be mounted in a shielded enclosure to comply with EMC Directive 2004/108/EC.


Note 3: Controller must have appropriate line and control power filter to comply with EN61000-6-2.


Third party conformance testing conducted by TÜV America.

TÜV SÜD America Inc.
Suite 104
1774 Old Highway 8 NW
New Brighton, MN 55112-1891

Name of Authorized Representative: Cory Watkins
Title of Authorized Representative: President

Place of Issue: Chanhassen, Minnesota, USA
Date of Issue: November 2009


Signature of Authorized Representative


Date

External EMI filters must be used in conjunction with the FUSION series power controllers to maintain CE immunity* approval. The following filters were used during the immunity testing.

Universal input power:
Schaffner filter
P/N: FN 2030-3-06

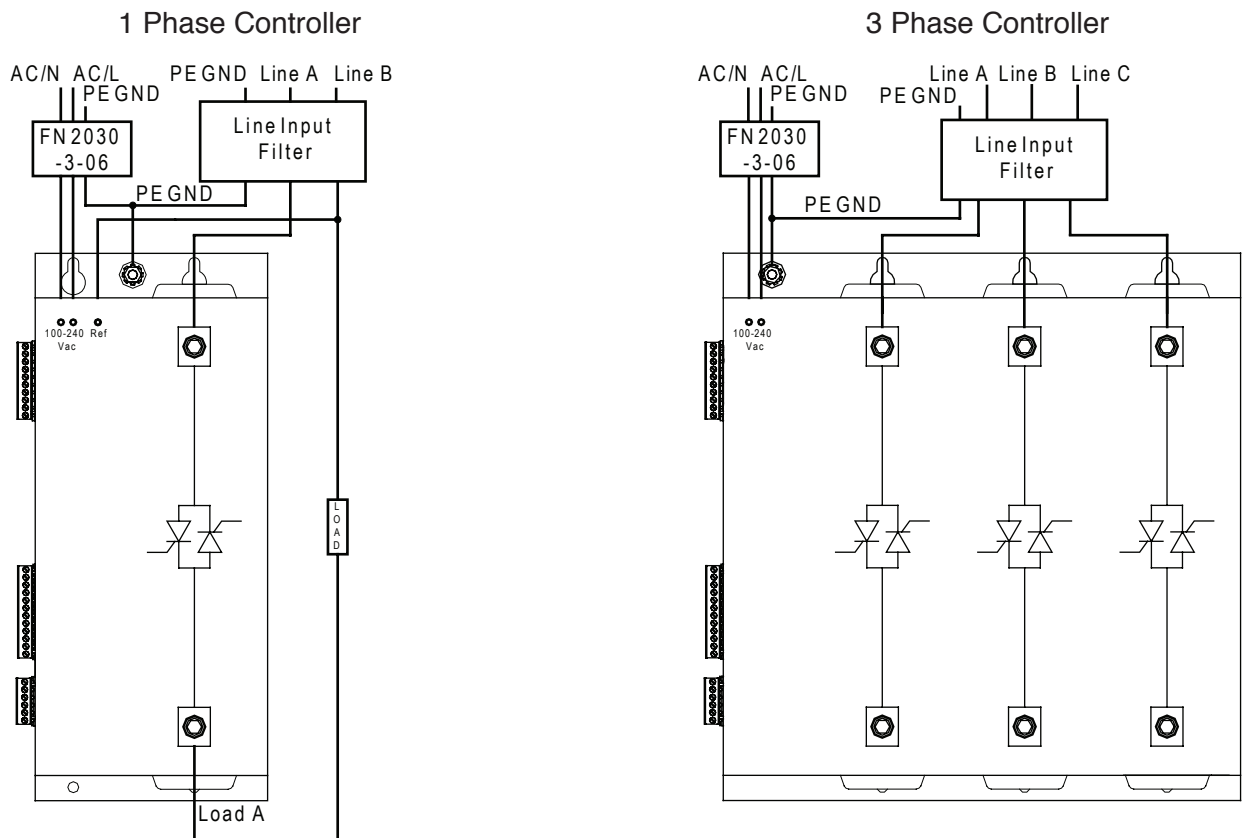
Line input power:
Schaffner filter
P/N: FN 3270H-35-33

The Schaffner filter for universal input power, or it's equivalent, may be used as listed above. The line input power filter however, will need to be sized accordingly for your load. Please contact Schaffner EMC Inc. for help finding the appropriate filter.

Schaffner EMC Inc.
52 Mayfield Avenue | Edison, New Jersey 08837 / USA
T 1-800-367-5566 | T 732-225-9533 | F 732-225-4789
usasales@schaffner.com | <http://www.schaffner.com/us>

*No filtering is required for emissions.

Wire filters as shown below:



Other wire diagrams are available for models not listed here by contacting Control Concepts, Inc.

ATTENTION

This product has been designed for class A equipment. Use of this product in domestic environments may cause radio interference, in which case the user may be required to employ additional mitigation methods.

NOTICE

This product has been designed for environment A. Use of this product in environment B may cause unwanted electromagnetic disturbances, in which case the user may be required to take adequate mitigation measures.