



Listed 3L32 - Industrial Control Equipment
100kA Short Circuit Current Rating
File Number E136219



EN60947-4-3
IP 20
See CE Declaration of Conformity



Part 15 Subpart B
Class A Device



See RoHS Certificate of Compliance

DECLARATION OF CONFORMITY

FUSION CF Series SCR Power Controller

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



Declares that the following product:

Designation: FUSION CF Series Power Controller

Model Numbers: Model CF followed by ZC, PA, followed by 1, 2 or 3, followed by 1 through 9 or A through E followed by number or letter, may be followed by numbers and/or letters, may be followed by numbers and/or letters, 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: 2014 Low-voltage switchgear and controlgear

IEC 60947- 4 - 1: 2012

-Clause 9.4.2 Immunity referencing IEC 60947-1: 2007/A1: 2010/A2: 2014, Clause 8.4.1, Table 23

-IEC 61000- 4 - 2: 2008

-IEC 61000- 4 - 3: 2006/A1: 2007/A2: 2010

-IEC 61000- 4 - 4: 2004/A1:2010

-IEC 61000- 4 - 5: 2005/AC1:2009

-IEC 61000- 4 - 6: 2013

-IEC 61000- 4 - 8: 2009

-IEC 61000- 4 - 11: 2004

IEC 60947 - 4 - 1: 2012, Clause 9.4.3 Emission

Referencing IEC 60947-1: 2007/A1: 2010/A2: 2014, Clause 7.3.3

EUROPEAN STANDARD EN 55011: 2009 + A1: 2010

FCC Part 15 Subpart B

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 2014/30/EU.

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 2017

Signature of Authorized Representative

11/17/2017

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

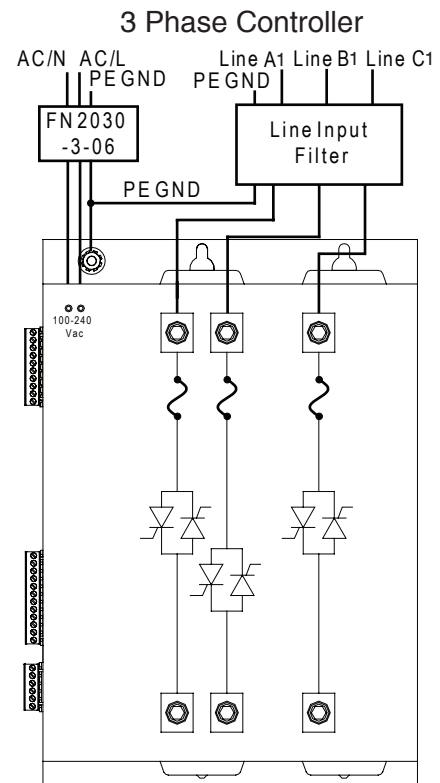
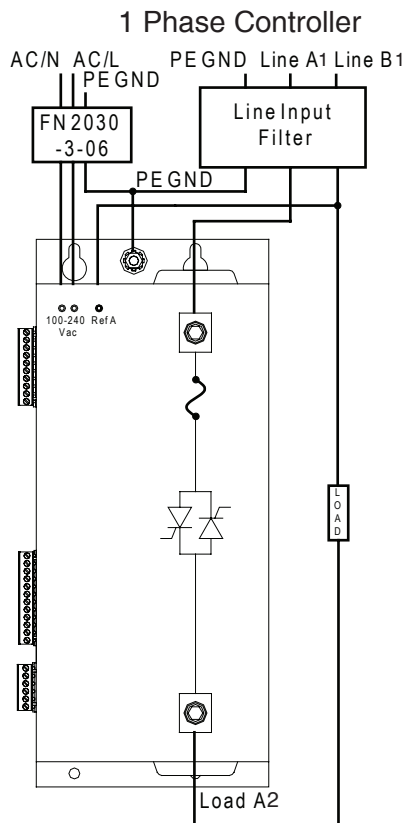
Line input power:
Schaffner filter
P/N: FN 3270H-35-33

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
usales@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

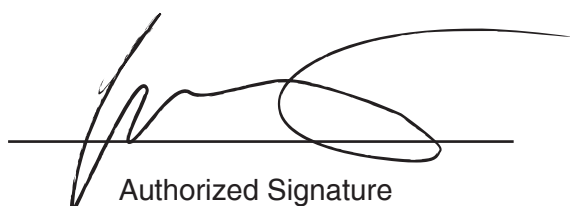
This product has been designed for environment A. Use of this product in environment B may cause unwanted electromagnetic disturbances, in which case the user may be required to take adequate mitigation measures.

PB-FREE/REDUCTION OF HAZARDOUS SUBSTANCE (RoHS)
CERTIFICATE OF COMPLIANCE



This document certifies that Control Concepts, Inc's products listed in the table are fully RoHS compliant as of Nov 17, 2017 in accordance with EU RoHS Directive 2011/65/EU. The products listed in the table have been identified as RoHS compliant do not exceed the maximum limit for the six substances: Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls and Polybrominated diphenyl ether.

PRODUCT FAMILY	PART NUMBERS	DATE ADDED
FUSION	FUSION-□□-□-□□□□-□-□□□□-□□□□	11/13/2009
FUSION CF	CF-□□-□-□□□□-□-□□□□-□□□□	12/20/2010


Authorized Signature
Cory Watkins, President

11/17/2017
Date Last Updated

CONTROL CONCEPTS, INC.
8077 CENTURY BLVD
CHANHASSEN, MN 55317
(952) 474-6200
1-800-765-2799
FAX (952) 474-6070
www.ccipower.com