



Certificate: 2293770

Master Contract: 246217

Project: 80139887

Date Issued: 10/04/2022

Terminal block or open lead power source wiring connections.

May be folded paper or foam type filter element.

Ratings: AC Voltage Fans: 24, 115, 230 VAC, 50/60 HZ, maximum power 200W.

DC Voltage Fans: 12, 24, 48 VDC, maximum power 17W.

Environmental Rating for Model Series PF with suffix R is for type 3R.

Filter frames and elements, passive, non-motorized, Open type, for Industrial Control Panels

Models
Series PFA followed by 10, 20, 30, 40, 60, followed by 000 with or without additional suffix, except for additional suffix R is for Environmental Rating type 3R.
Series DPFA followed by 20, 30, 40, 60 may followed by 000.
Series EX-FILT followed by 1, 2, 3, 4 with or without additional suffixes.
Series EFA followed by 100, 200, 220, 250, or 500.
Series EFAE followed by 200, 220, 250, or 500.
Series EFAP followed by 200, 220, 250, or 500

Contains no electrical components. Utilized to enclose filter element and industrial panel enclosure opening.

Environmental Rating for Model Series PFA with suffix R is for type 3R

NOTES:

1. This equipment is Certified as a component for use in other equipment, where suitability is determined in the end use by CSA.
2. All models mentioned within this report are for vertical mounting only. Top mounting on enclosures is prohibited due to risk from dirt falling into airflow.
3. The devices shall be mounted in enclosures having adequate strength and thickness in accordance with CSA C22.2 No. 14 in the intended manner and with acceptable air spacings to live parts mounted within the panel.
4. Proximity of live or arcing parts to the vent openings including foamed filter material shall be evaluated in the end product. Due to the highly existing flammability of the filter material, min 305 mm is required between vent openings and an arcing part, or a barrier of metal or suitable material shall be interposed. If a barrier is provided, it shall be of such dimensions and so located that any straight line drawn from any arcing part past the edge of the barrier intersects a point in the vent opening plane that is at least 6.4 mm outside of the edge of the vent opening. See also Marking section in the installation manual.
5. The Panel Enclosure Flange foam gasket of the PF fans / E-FAN / EF / EFE / EFP and PFA / EX-FILT / EFA / EFAE / EFAP filters have been evaluated and tested to Gasket Tests,



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APPLICABLE REQUIREMENTS

CSA C22.2 No. 14-13 (Twelfth Edition) - Industrial control equipment



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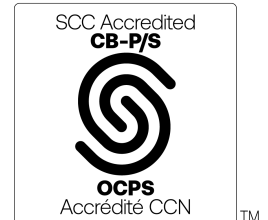
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Notes:

Products certified under Class C321137 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80139887	October 04, 2022	Update of report 246217-2293770 to add an alternate Plastic Material, add alternate label material generalized description, and address FIR noncompliances (FIRs: 246233-20210921, 246233-20220328 and 246233-20220622) regarding bonding conductor typo error.
80075748	October 04, 2021	Update to Report 2293770 to resolve FIR findings at FC 246233 on March 11, 2021, add new alternate plastic Material (FR3010 Polycarbonate Covestro Deutschland AG E41613) and administrative Corrections on the description report (dimensions, typos) add alternate fan assembly, optional model designation Prefixes DPF and DPFA and of the R suffix.
80051049	September 04, 2020	FIR Follow-up, PfannenberG Inc., FC# 246233, FIR dated May 14, 2020, Report 2293770 add alternate fan Assembly.
70088083	August 16, 2016	Update report to add alternate foam gasket material.
70064790	March 11, 2016	Update report to add alternate material AF312A (ABS) by LG Chemical.
70063678	February 05, 2016	Update report to add alternate filter fan assembly Model Series EF followed by 100, 200, 220, 250, 300, 500, 600, or 700, Model Series EFE followed by 200, 220, 250, 300, 500, 600, or 700, Model Series EFP followed by 200, 220, 250, 300, 500, 600, or 700 and add alternate filter frames Model Series EFA followed by 100, 200, 220, 250, or 500, Model Series EFAE followed by 200, 220, 250, or 500, and Model Series EFAP followed by 200, 220, 250, or 500.
70042805	December 07, 2015	Addition of alternate models E-Fan Series and EX-FILT Series. Update report to C22.2 No. 14-13 per Industrial Control Equipment Informs No. 36 and C22.2 No. 113-15 per Fans and Ventilators Notice Nos. 10 and 24.
2392923	January 31, 2011	Add factories F1 and F2. Report typo corrections: Change Models PFA 11, 22, 32, 43, 65, 66, 67 to PFA 10, 20, 30, 40, 60. In accordance with CSA C22.2 No. 14-10, Edition 11, Update 1. Cleveland Lab.



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2293770 October 20, 2010 Initial certification of PF and PFA series fans and filters. In accordance with C22.2 No. 14-05. Cleveland Lab.