

CleanSweep® EMI Filters for Circuit Breaker Panels



AB2020FG
AC + Ground 250VAC



GLE30-2
Ground 32A



AV2020FG
AC + Ground 250VAC 20A



GLV30-2
Ground 32A

Clean EMI-Free Power and Ground for Every Power Branch

OnFILTER®' patented CleanSweep® AC EMI filters for circuit breaker panels provide noise-free power and ground to individual power branches. Alternatively, they can block EMI from a noisy equipment in a particular branch from polluting your entire power and ground network by simply wiring them in reverse.

Protecting each individual power branch (both AC voltage and ground) from EMI is the most effective and economical way to reduce operational problems, computer lag and malfunction, and audio/video artifacts.

The filters enhance EMI reduction on isolated ground (IG) circuits by adding actual EMI filtering rather than simple wiring with uncertain effect.

We offer filters in single gang boxes (mostly for the U.S. and Canada), and in DIN rail form-factor—this works for the majority of worldwide applications.

Highly-effective and easy-to-install CleanSweep® EMI filters solve EMI problems for power branches for good, requiring no adjustments and no maintenance. The filters are safety-certified.

CleanSweep®
EMI Filters for
Power Branches
AB2020FG
AV2020FG
GLE30-2
GLV30-2

Applications

- Circuit breaker panels
- Industrial control
- Utilities
- Residential
- Office
- Hi-Fi audio
- Computers
- Building management
- Wherever EMI is a problem

Features

- Optimized for real-life power lines
- Effective EMI suppression in actual applications
- Both power and ground EMI suppression
- Easy installation, no maintenance

Block Propagation of EMI

CleanSweep® EMI filters block EMI from getting to your sensitive equipment, improving its performance

Improved Operation

OnFILTER® CleanSweep® filters reduce equipment malfunctions caused by EMI and increase its performance and reliability by providing clean power

Reduction of Artifacts

High levels of EMI and transients on power lines produce undesirable audible artifacts in sound systems, computer lag, and other problems in sensitive equipment.

AC Power and Ground

OnFILTER® patented CleanSweep® EMI filters provide effective suppression for both AC power and ground

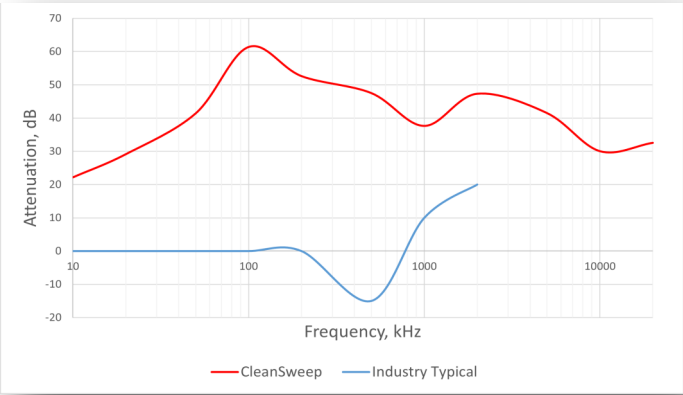


Augment and improve performance of IG outlets by adding real EMI filtering

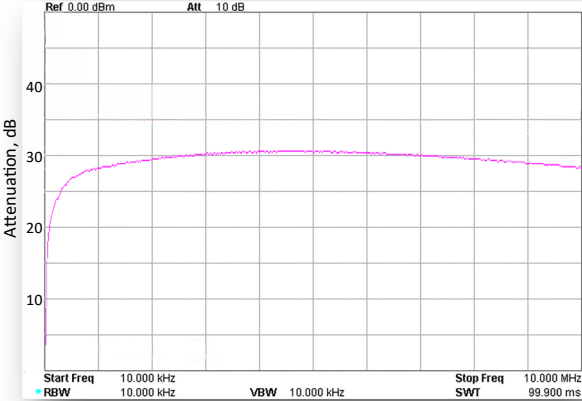
OnFILTER CleanSweep® filters utilize patented technology to provide maximum noise suppression in real-life installations.

Parameter	AC Power and Ground		Ground Only	
	AB2020FG	AV2020FG	GLE30-2	GLV30-2
Rated Voltage, RMS	250V max.	250V max	N/A	N/A
Rated Current, RMS	20A max.	20A max.	32A	32A
Leakage Current	<0.5 mA	<0.5 mA	N/A	N/A
Mount	Single-gang box	DIN Rail	Single-Gang Box	DIN Rail
Termination	Wire AWG12	Terminal Block AWG10	Wire AWG12	Terminal Block AWG10
Size (LxWxD)	4.63*2.83*3.04" 117*72*77mm	3.57*2.84*2.32" 91*72*61mm	4.63*2.83*3.04" 117*72*77mm	3.57*2.84*2.32" 91*72*61mm

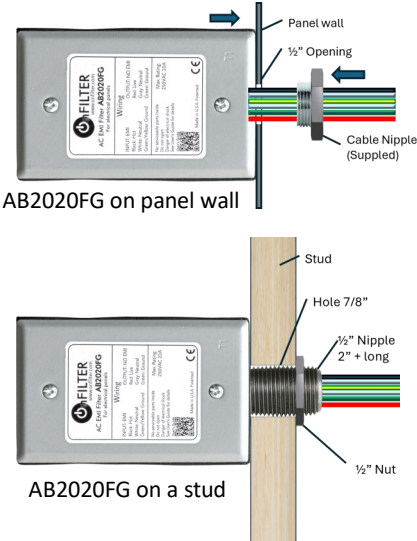
Typical Performance of AB2020FG/AV2020FG in 1/100 Ohms Connection (Real-Life Power Line)



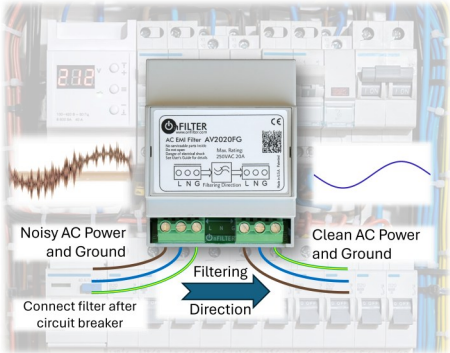
All Models
Typical Ground EMI Current Reduction



Examples of Installation of AB2020FG AC EMI Filter



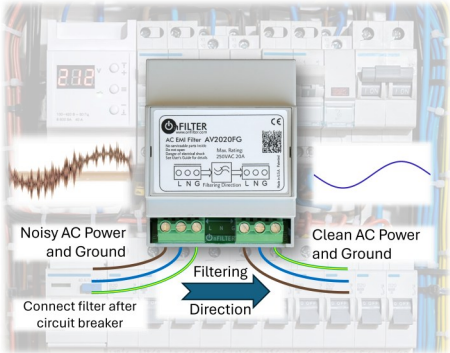
Typical Connection of AV2020FG AC EMI Filter



AB2020FG on a flat surface



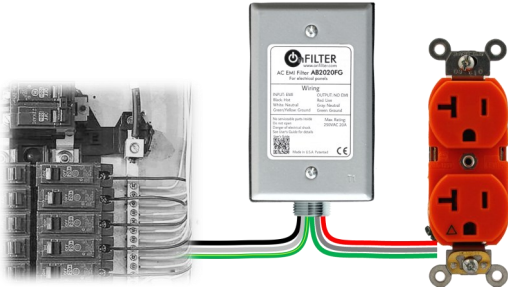
AV2020FG fits standard DIN rail circuit breaker panels



Ground filtering for IG outlets with GLE30-2



Complete power/ground filtering for IG outlets with AB2020FG



OnFILTER, Inc.
730 Mission Dr. Ste. 102
Santa Cruz, CA 95060 U.S.A.
Tel. +1.831.824.4052
FAX +1.206.350.7458
www.onfilter.com
info@onfilter.com

