

Features

- Harmonics current attenuation to EN61000-3-2
- EMI filtering to EN 55022, Level B
- Transient immunity to EN61000-4-5
- 600W power processing
- Autoranging 115/230VAC input
- Microprocessor control
- Inrush current limiting



Product Information

The ENMods system is a new solution for compliance to EN harmonic current, EMI, and transient immunity standards. It consists of a passive harmonic current attenuation module — the MiniHAM — and an auto ranging AC-DC front-end module — the FARM3. Combined with filtering and hold-up components as specified herein, the ENMods system provides full compliance to:

- EN61000-3-2 Harmonic Current Content Limits
- EN55022, Level B conduction environmental limits
- EN61000-4-5 Input Surge Immunity
- EN61000-4-11 Line Disturbances

The MiniHAM is the first passive product specifically designed for compliance to harmonic current limits. Unlike active PFC solutions, the MiniHAM generates no EMI, greatly simplifying and reducing system noise filtering requirements. It is also considerably smaller and more efficient than active alternatives and improves MTBF by an order of magnitude. Uniquely intended to operate on the DC bus provided by the FARM3 rather than directly on the AC line, it will provide harmonic current compliance at 230Vac input at up to 600W of input power. The 115/230Vac input FARM3 is a new member of Vicor's Filter and Autoranging Module product line that has been optimized for use as the front-end for the MiniHAM. Both modules are in Vicor's standard Mini half-brick package. Together with Vicor's 1st or 2nd Generation 300V input DC-DC converters, they form the basis of a low noise, high efficiency, rugged, simple and reliable EN compliant power system.

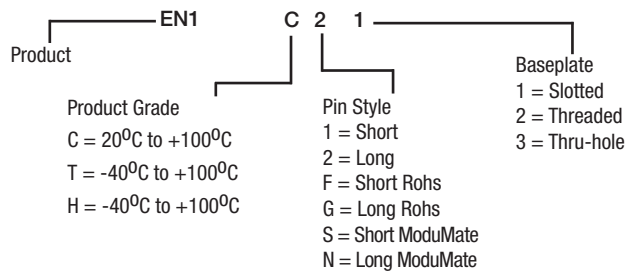
General Specifications

Safety approval	UL60950, CSA60950, TUV, VDE, EN60950, CE Marked
Dielectric withstand (I/O to base plate)	1500VRMS
Leakage current	2.5mA max @ 264VAC
Weight	88g (FARM3), 145g (Mini HAM)
Size	57.9x55.9x12.7mm

STANDARDS

C-Tick	AS/NZS CISPR11 Group 1 Class A
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Part Numbering



Note: EN1 Product includes one each MiniHAM and FARM3 with same product grade, pin and base plate style.