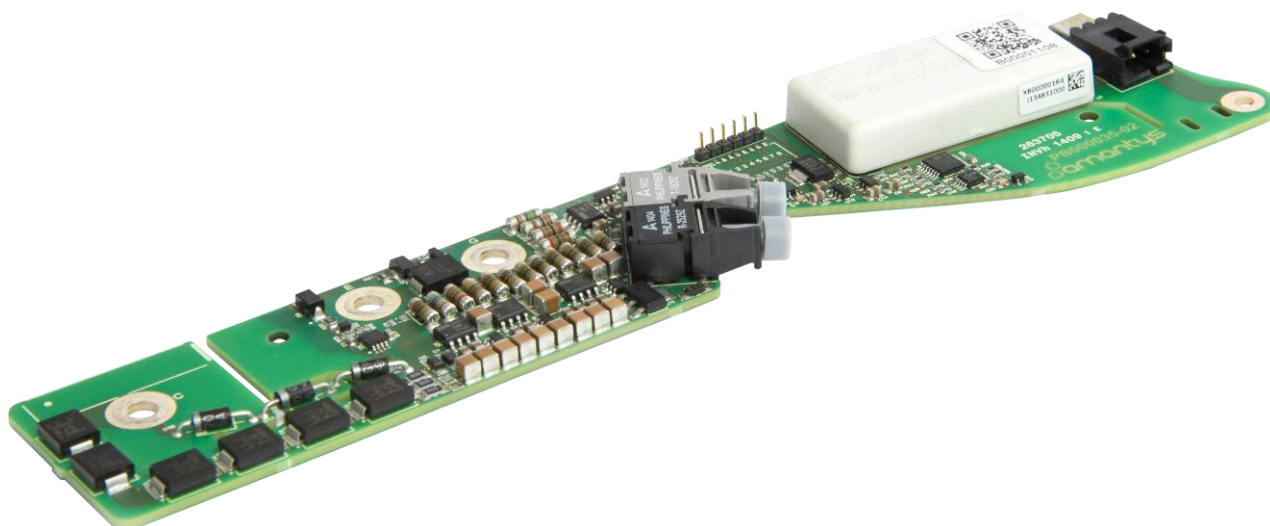


The AN33 Amantys Gate Drive is a single channel plug and play IGBT module gate driver for 3300V IGBT modules in 190x140mm and 140x130mm packages, with current ratings between 400A and 1800A. It comes complete with an on-board DC-DC converter and a comprehensive set of protection features. The gate drive is suitable for 2-level, 3-level and multi-level converters in a wide variety of applications.



Key Benefits

- Factory configurable
 - Reduced inventory as one gate drive can support IGBT modules from multiple vendors
- High reliability design and testing
 - Manufactured to ISO9001
 - EMC tested to EN50121-5, EN50121-3-2, EN55011
- Compatible with commercial alternatives
 - Drop in replacement with same fibre-optic and power interfaces
 - Faster start-up and recovery time
 - Lower no-load power dissipation
 - Reduced self-heating for longer lifetime
- Designed and tested to traction isolation standards

Outline Specification

- Single channel Plug & Play solution for 190x140mm and 140mmx130mm packages
- IGBT short circuit protection
 - Type I and type 2 short circuit protection
 - Under voltage lockout
- Overvoltage protection
 - Active clamping mechanism
- Built-in isolated power supply
 - Monitors on all rails enabling safe start-up with IGBT held off
 - 3.3kV working isolation, type tested and routine tested to 7.4kV rms hipot AC
 - Meets traction and industrial safety and partial discharge standards
 - Conformal coating option for harsh environments
- Insulation designed for traction and adjustable speed drive applications



Medium voltage motor drives



Locomotive traction & marine drives



Wind turbine & solar inverters



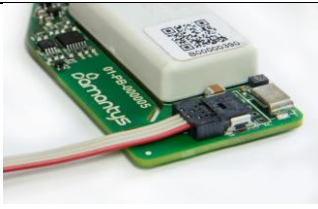

High voltage DC infrastructure

Applications

Amantys gate drivers are suitable for all high power converter applications. Typical uses include:

- HVDC infrastructure
 - HVDC and FACTS
- Medium voltage converters
- Medium voltage motor drives
- Solar inverters
- Traction converters
- Wind turbine inverters

Power connector options

<p>ERNI Connector</p>	
<p>Tyco Connector</p>	



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High voltage DC infrastructure