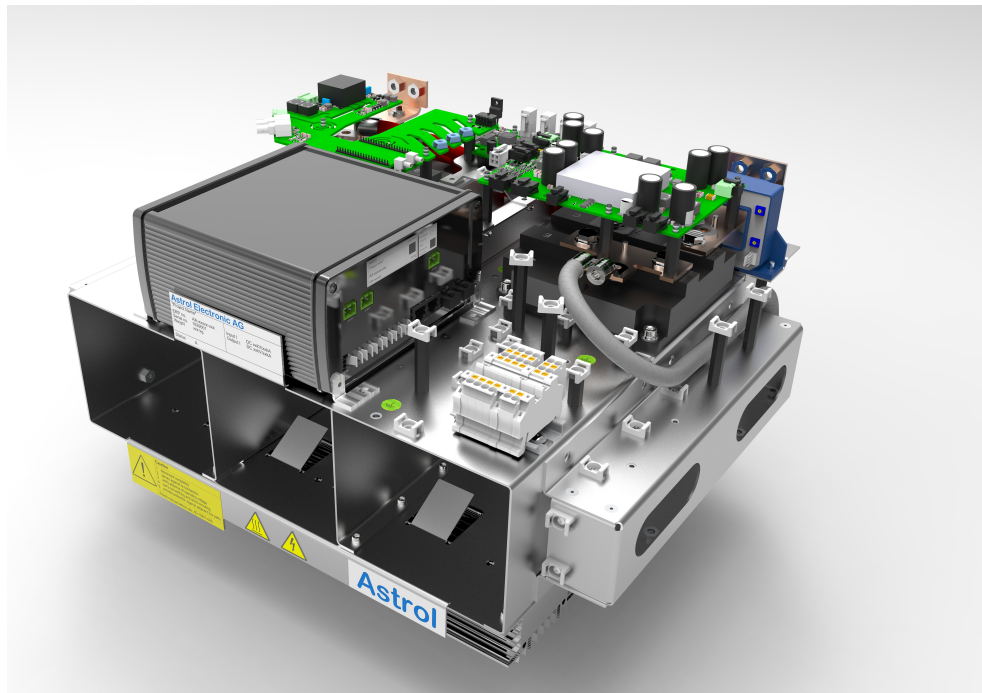


Astrol Electronic AG

Solid-State Circuit Breakers

DC-Breaker AA-10718-xxx

1.5kV / 200A air-
cooled DC-Breaker



System overview

The DC-breaker is based on modern and powerful semiconductor technology. It guarantees reliable protection against short-circuit currents in any part of the grid and allows the system integrator to achieve selectivity in the most flexible way. The 1kV breaker version uses 3.3kV Insulated Gate Bipolar Transistors (IGBT) as well as diode modules, which can handle peak voltages of up to 1500 Volts.

Main specifications

- Rated current*: 200A
- Rated voltage: 1500V
- Forced air-cooling
- Ambient temperature range: -25...+60°C

Features

- Stand-alone solution for integration in any type of DC-grid
- Short circuit and overcurrent detection
- Autonomous switch-off capability
- Very short off-time in microsecond range
- Optional enclosure
- Switch-off current up to 2.5kA
- Completely isolated from the main grid
- Bidirectional current flow
- Balancing switch included
- Internal self-diagnostic capability
- Customized interface to overall controller
 - Optical (Glass or Plastic)
 - Modbus-TCP , Profinet , WEB based
 - Wire Bus System with CAN and RS485
- 24V power supply with internal filter module

** For higher current ratings (up to 5kA), please refer to our DNV-certified DC-Breaker products with water cooling.*

Contact

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