

SSR B8293

Solid state starter relay with self-resetting main fuse

- Replaces starter relay and main fuse
- Softstart by current limiting to <170A
- Pin-to-pin compatible with mechanical relay
- Integrated self-resetting 30A battery main fuse
- Short-circuit and temperature protected
- Lower voltage drop than mech. relay, more torque
- No free-wheeling diode necessary

Characteristics

Rated voltage range	6.0V .. 16.0V
Time-out	10s
Circuit resistance	0.3mOhm
Power rating of starter motor	0.5kW .. 0.8kW
Boardnet fuse rating	30A @ 23°C
Reverse polarity protection	Battery/Starter no Control yes, non-polar
Weight	36g
Size	40.2x38.6x8.0mm ³
Ambient temperature	-40°C .. +85°C
Connector	Furukawa RFW 090
Terminal type	screw M6 x 6, 3.9Nm
Cable length	45mm

Important

- Battery and Starter connection shall not be swapped, the starter motor will spin, the module might be damaged
- The control pins are non-polar and interchangeable as with a mechanical relay
- The main fuse is designed for occasional overcurrents but not for infinite short circuit duration
- The software does not allow starting above the maximum temperature
- Using starter motors larger than 0.8kW may result in the detection of overload
- The time-out does not allow running the starter motor for longer than 10s
- Do not disconnect the battery or the starter motor while cranking
- Do not use other screws than the specified M6 x 6. Respect the specified torque



Compatibility

All motorcycles with 0.5kW..0.8kW starter motor and Furukawa connector, like Ducati V2, V4, Yamaha R1 and others.

Main fuse integrated, no wiring harness modification needed.



Inrush current control

