

SSR B9273

Solid state starter relay

- Replaces mechanical starter relay
- Softstart by current limiting to <260A
- Pin-to-pin compatible with mechanical relay
- Short-circuit and temperature protected
- Lower voltage drop than mech. relay, more torque
- No free-wheeling diode necessary
- No degradation over lifetime, no contact sticking

Characteristics

Rated voltage range	6.0V .. 16.0V
Time-out	10s
Circuit resistance	0.3mOhm
Power rating of starter motor	0.9kW
Reverse polarity protection	Battery/Starter no
Weight	32g
Size	40.2x38.6x8.0mm ³
Ambient temperature	-40°C .. +85°C
Connector	sealed TE MCON 1.2
Terminal type	screw M6 x 6, 3.9Nm
Cable length	75mm

Important

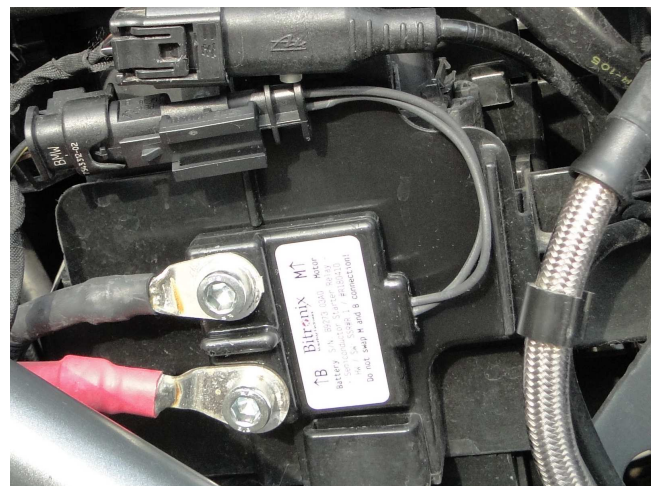
- Battery and Starter connection shall not be swapped, the starter motor will spin, the module might be damaged
- The control pins are non-polar and interchangeable as with a mechanical relay
- The software does not allow starting above the maximum temperature
- Using starter motors larger than 0.9kW 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
- Not suitable for starter motors with integrated relay and pinion engaging (as used in cars)



Compatibility

All motorcycles with 0.9kW starter motor and TE connector, like BMW watercooled 2 cylinder and others.

No wiring harness modification needed.



Inrush current control

