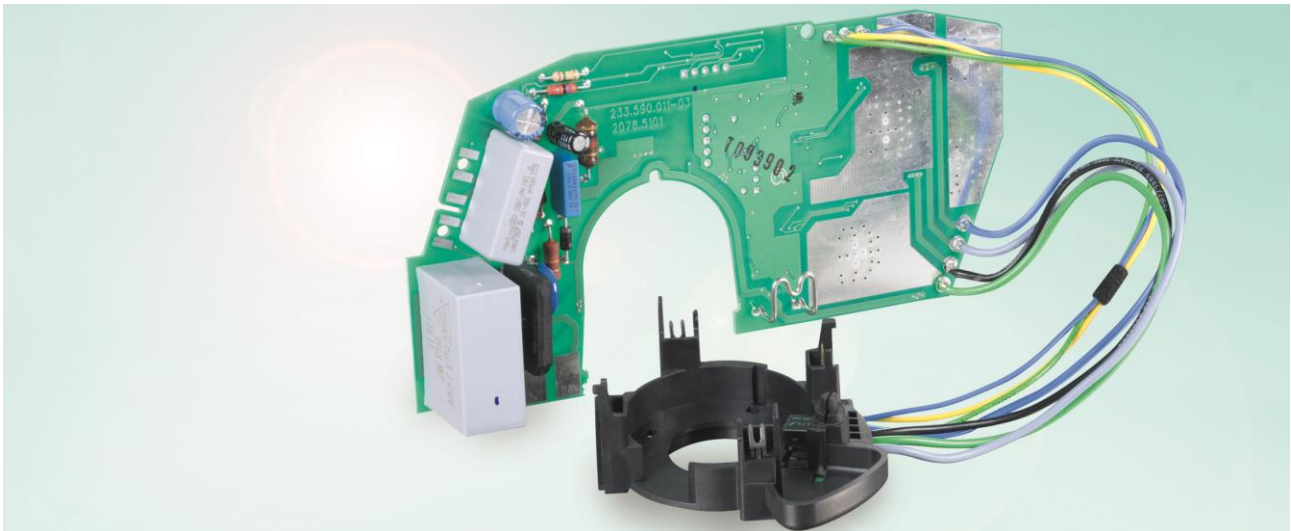




SERIES 2078 – CONTROL AND REGULATING ELECTRONICS

FOR SWITCHED RELUCTANCE MOTORS



ADVANTAGE

- Direct motor contact
- Integrated temperature control
- Controlling adaptable additional devices (e.g brushes)
- Motor position and speed monitoring
- Excellent price/performance ratio

PRODUCT FEATURES

- With motor contact ring
- Passive onboard cooling system
- Integrated data communication
- Integrated light barrier
- Highly integrated controller for SR motors (switched reluctance motors)

EXAMPLES OF APPLICATION

- Vacuum cleaners
- Small household appliances
- Medical devices
- Laboratory devices
- Industrial applications

Power supply	220 V ... 240 V / 50 ... 60 Hz
Function	Controlling a two-phase SR motor (switched reluctance motor) with a maximum speed of 60,000 rpm
Power levels	Three fixed power levels can be selected via two nominal value inputs
Temperature control	Passive onboard cooling system with temperature control for output stage
Voltage control	For maximum current draw
Motor controller	Voltage and start-up control for rough-running or blocked motors
Ambient temperature	0 °C ... +70 °C
Storage temperature	-15 °C ... +70 °C
Voltage versions	220 V ... 240 V / 50 Hz ... 60 Hz 100 V ... 120 V / 50 Hz ... 60 Hz
EMC	Passive PFC suppressor
ESD stability	Up to ± 30 KV
Data connection to adaptable additional devices	



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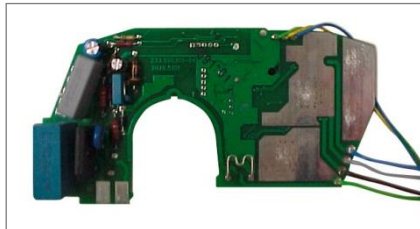
MOTOR CONTACT RING



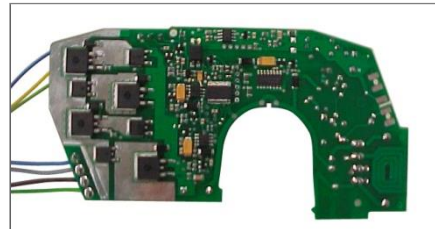
MAIN SWITCH



ALL-IN-ONE CONTROLLER



18 THT parts



86 SMD-parts



MARQUARDT

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