



TP160C



This circuitry is specially designed to protect Johnson DC971(2)LG-014 DC grinding motors for coffee machines against overload situations.

Model ref: TPDC-400-2-A

OVERVIEW

- 2 Channel protection circuitry for DC grinding motor
- Low stand-by power : < 0.6 Watt
- The grinding period is adapted to the AC input voltage to maintain the same amount of coffee at different AC voltages
- When no beans are available the circuitry switches-off the motor and sends an error code
- When the motor is blocked the circuitry switches-off the motor and sends an error code

APPLICATION

- Johnson DC971(2)LG-014 DC grinding motor for coffee machines

INPUT

- Input voltage range : 180 - 220Vac (Japan)
: 188 - 229Vac (Canada)
: 198 - 264Vac (EU, USA)
- Leakage current : < 0.3mA
- Class I

OUTPUT

- Nominal output power : 480W
- Peak output power : 600W (8 sec.)
- Single output voltage : +300Vdc

PROTECTIONS

- Overload / short circuit protection
- Time related output power / overcurrent protection
- Additional protections : Automatic switch-off when no beans are present
: Automatic latch-off when motor is blocked/overloaded
: Automatic latch-off when ON input is active at start-up or for more than 12.75 sec.
- Microprocessor controlled protections

SAFETY & EMC

- UL197
- IEC/EN/UL 60950-1

- IEC/EN/UL 60335-1
- IEC/EN 61000-6-1
- IEC/EN 61000-6-3
- IEC/EN 61000-3-2
- IEC/EN 61000-4-2
- IEC/EN 61000-4-4
- IEC/EN 61000-4-6
- 2009/125/EC
- EN 55014
- IEC/EN 61000-6-2
- IEC/EN 61000-6-4
- IEC/EN 61000-3-3
- IEC/EN 61000-4-3
- IEC/EN 61000-4-5
- IEC/EN 61000-4-11
- EN 62233

COOLING

- Free air convection

CONSTRUCTION

- Open frame

CONNECTIONS

- Input : 3 pin connector
- Output : 2 pin connector
: 2 pin connector
- I/O : 6 pin connector
: 4 pin connector

DIMENSIONS & WEIGHT

- Dimensions (L X W X H) : 110 x 55 x 29 mm
: 4.3 x 2.2 x 1.1 inch
- Weight : 60 g