Datasheet

picoPak MC5O
Solenoid Driver

The picoPak MC5O is a compact DC solid state relay designed specifically for 24Vdc solenoid applications. The extra low on-state resistance allows for a high current rating in a package just 6mm wide.

Features:
- Ultra compact 6mm housing
- 10A @ 5-34Vdc resistive, 6A inductive switch
- Combitfoot mounting: TS32 & TS35 DIN rails
- 4000V isolation
- LED status indication
- Input diode protection
- Load EMF protected
- CE marked
- CSA certified, Class 1 Division 2, Groups A, B, C, D
### Rated data

#### Input
- Input voltage range
- Nominal Operating current (typical)

#### Output
- Output resistance (on state)
- Nominal switching voltage
- Max. Continuous current
- Operate time (at nom. voltage)
- Release time (at nom. voltage)
- Max. operating speed (50% mark space ratio)
- Operating temperature range

#### General
- Isolation surge strength
- Dimensions
  - terminal width
  - width across rail
- Height on rail TS32 / TS35 x 7.5 / TS35 x 15
- Conductor size
  - solid
  - flexible
- Fuse/Circuit Breakers (recommended)
- Approvals
- EMC
- Installation

#### Cleaning
- Wipe only with a damp cloth moistened with water (de-energise before cleaning).

### Ordering data

**picoPak MC50**
- End Plate AP
- End Brackets EW (for TS35)/EWK (for TS32)
- Cross connection insulated: 2 pole, 3 pole, 4 pole
- Cross connection uninsulated: 75 pole (straight, angled)
- Insulation profile 75 pole

### Cat.No.
- 7901690001
- C9039986
- 038356 0000 / 020616 0000
- 048270 0000
- 048280 0000
- 048290 0000
- 053520 0000
- 052640 0000
- 052670 0000

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**picoPak MC50**

![Diagram of picoPak MC50](Image)

**24Vdc**
- 11.5 to 28Vdc
- 5.0mA @ 24Vdc
- **high side MOSFET switch (sourcing)**
  - less than 10mΩ
  - 5 to 34Vdc
  - 10A resistive, 6A inductive
  - 1mS approx.
  - 1mS max.
  - 50Hz (3000 operations per minute)
- -40...+60°C
- 4000V
- 6mm
- 76mm
- 68mm / 63mm / 70.5mm
- 0.5...4.0mm (24-12AWG)
- 0.5...2.5mm (24-14AWG)
- 20A (65V) Slow Blow, breaking capacity 150A
- CE marked, CSA certified, Class 1 Division 2, Groups A, B, C, D
- EN50081-1, EN50082-2

To be installed and maintained by qualified personnel as per instructions, or module safety may be compromised.

Designed for IEC664 Installation Category II use.

Wipe only with a damp cloth moistened with water (de-energise before cleaning).