NEW

Datasheet

picoPak™ Optocoupler Modules

picoPak™ optocoupler modules are ideal for applications where DIN rail space is limited. Requiring just 6mm of either 32mm or 35mm DIN rail, they easily fit in the space normally occupied by a single terminal block.

Two versions are available:

**MC50-Input:** Dual 24Vdc and 120Vac input with a 5-30Vdc @100mA output. 120Vac input includes leakage immunity up to 5mA.

**MC50-Output:** Designed as a solenoid driver, this module has a 24Vdc input and an output rated 5-34Vdc @ 10A maximum - resistive or 6A - inductive.

**CSA Class 1 Div 2 approved**

Other features include:
- status LED
- input polarity protection
- back-EMF diode protection on outputs
- high input-output isolation
- CSA approved
### picoPak Optocoupler Modules

#### Rated data

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<thead>
<tr>
<th>Input</th>
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<tbody>
<tr>
<td>voltage</td>
<td></td>
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<tr>
<td>min. turn-on current</td>
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<tr>
<td>protection</td>
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| Output                  |          |          |          |          |
| voltage                |          |          |          |          |
| current                |          |          |          |          |
| volt. drop @ max. load |          |          |          |          |
| turn-on/off time, 24Vdc input |          |          |          |          |
| 120Vac input           |          |          |          |          |
| 125Vdc input           |          |          |          |          |

| Isolation              |          |          |          |          |
| input-output           |          |          |          |          |

| General                |          |          |          |          |
| operating temperature  |          |          |          |          |
| wire size              |          |          |          |          |
| width on 32/35mm rail  |          |          |          |          |
| Approvals              |          |          |          |          |

| Ordering data          |          |          |          |          |
| picoPak                |          |          |          |          |
| optional endplate³     |          |          |          |          |

#### picoPak MC50 Input

- 24Vdc ±10%
- 120Vac/dc±10%
- 15Vdc, 30Vac
- 4mA @ 24Vdc
- 19mA @ 120Vac

- polarity diode on 24Vdc input
- MOV on 120Vac/dc input
- 120Vac input protected against up to 5mA of leakage current

- 5-30Vdc
- 100mA²

- 2Vdc
- 1ms
- 150ms typ.
- 100ms typ.

- back-EMF diode
- 2500V

- 0° to + 50°C
- 22-12 AWG (0.5-4.0mm²)
- 6mm

- CSA

- Ordering data
  - 9915700000
  - C9039986

#### picoPak MC50 Output

- 24Vdc nom.
- 12.5Vdc
- 5.0mA @ 24Vdc

- polarity diode

- 5-34Vdc
- 10A resistive
- 6A inductive
- 0.1Vdc @ 10A
- 1ms

- back-EMF diode
- 4000V

- -40 to +60°C
- 22-12 AWG (0.5-4.0mm²)
- 6mm

- CE, CSA

- Class 1 Division 2

- Ordering data
  - 7901690001
  - C9039986

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1) derate by 0.8mA per °C above 25°C ambient
2) 5 to 20mm spacing between terminals recommended when operating in environments with ambient temperatures over 30°C
3) required on last terminal in a group, 1.5mm wide.