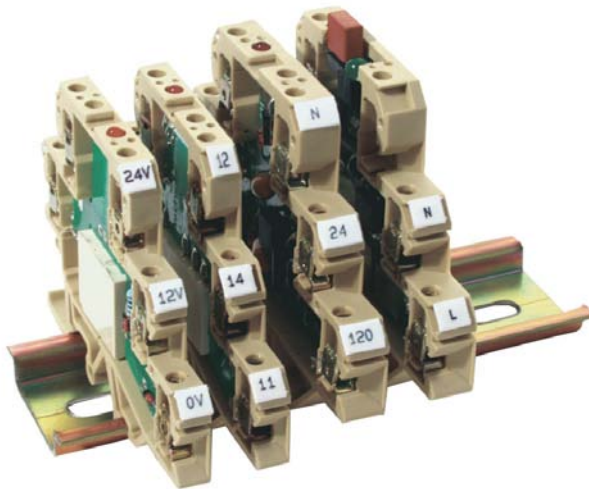


## picoPak™ Relay Modules



picoPak™ relay modules are compact - just 6mm or 8mm wide - and ideal for control applications where rail space is limited. There are several versions to choose from and all mount on both 32mm and 35mm DIN rails.

Versions include:

**MC5R 1A:** Dual input voltages and a 1 form A (SPST-NO), 4A contact, 6mm wide. **CSA Class 1 Div 2 approved.**

**MC5R 1C:** 24Vdc input and a 1 form C (SPDT), 6A contact, 6mm wide.

**MC6R 1C:** Dual 24V and 120V input, 1 form C, 0.5A contact. Gold flashed contact, perfect for interfacing to PLC inputs.

**MC6RF:** 24V or 120V input and 1 form A, 5A contact. User serviceable fuse on output. 120V input version includes leakage immunity up to 1,5mA - perfect for use with PLC triac outputs.

### Other features:

- combifoot for mounting on 32mm and 35mm DIN rails
- input status LEDs
- CSA approved
- optional jumper comb for cross connections

### United States

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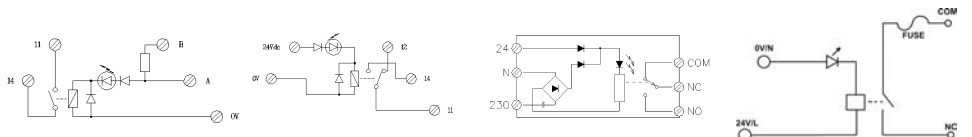
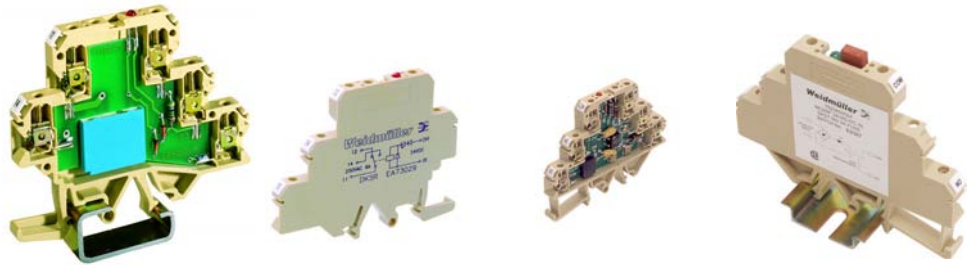
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# picoPak™ Relay Modules



Rated data	MC5R 1A	MC5R 1C	MC6R	MC6RF
<b>AC Input</b>				
Nominal input voltage			120Vac	120Vac
Turn ON voltage (nominal @ 25°C)			60Vac @ 9mA	
Guaranteed ON Voltage			75Vac	95Vac
Turn OFF voltage (nominal @ 25°C)			15Vac @ 2.5mA	
Guaranteed OFF voltage/current			6Vac	1.5mA
Turn OFF voltage (nominal @ 0°C)			19Vac @ 3mA	
Maximum input voltage			135Vac	140Vac
Nominal input current			17mA @ 120Vac	20mA @ 120Vac
Nominal on time			65mS	30ms
Nominal off time			65mS	30ms
Nominal operating frequency			7Hz	
<b>DC Input</b>				
Nominal input voltage	12/24Vdc	24Vdc	24Vdc	24Vdc
Turn ON voltage (nominal)			18.5Vdc @ 7mA	
Guaranteed ON voltage			20Vdc	18Vdc
Turn OFF voltage (nominal @ 25°C)			7Vdc @ 2mA	
Guaranteed OFF voltage			6Vdc	
Nominal input current	14mA	7mA	9mA @ 24Vdc	20mA @ 24Vdc
Nominal on time	10ms	10ms	2mS	10mS
Nominal off time	5ms	5ms	1.5mS	10mS
Nominal operating frequency			20Hz	
<b>Output</b>				
Output current/voltage (CSA rating)	4A, 30Vdc 4A, 250Vac	6A, 30Vdc 6A, 250Vac	2A, 30Vdc 0.5A, 125Vac 0.5A, 110Vdc	5A, 24Vdc (fused) <sup>2)</sup> 5A, 120Vac (fused) <sup>2)</sup>
		0.5A, 125Vdc	0.4A, 125Vdc	
Rating (resistive load)	max. power 1000VA, 120W	1500VA	60VA/60W	600VA, 120W
	max. switch voltage 250Vac, 150Vdc	240Vac, 30Vdc	220Vdc	120V
	Max. switch current 5A	6A (4A inductive)	2A	5A
Minimum switching	voltage 100mV	100mV 10mV	10mV	100mV
	current 0.1mA	0.1mA 10µA	10µA	0.1mA
<b>General</b>				
Operating life @rated load	10 <sup>5</sup>	10 <sup>5</sup>	10 <sup>5</sup>	10 <sup>5</sup>
Insulation input/output	2KV	4KV	1.5KV	1.5KV
Contact material	gold flashed silver alloy	silver nickel 90/10 or gold flashed silver alloy	gold flashed silver alloy	gold flashed silver alloy
Storage temperature	-40°C to +60°C	-40°C to +60°C	-40°C - 60°C	-40°C to +60°C
Operating temperature (non-condensing)	-20°C to +60°C	-20°C to +55°C	-15°C - 50°C	-10°C to +40°C
Wire size	22...12AWG (0.5...2.5mm <sup>2</sup> )	22...12AWG (0.5...2.5mm <sup>2</sup> )	22-12AWG (0.5...2.5mm <sup>2</sup> )	22 -12AWG (0.5-2.5mm <sup>2</sup> )
Height to top of rail	63mm	63mm	68mm	71mm
Length x width	78 x 6 mm	78 x 6 mm	89mm x 8mm	89mm x 8mm
<b>Approvals</b>				
<b>Ordering Data</b>				
TS32/35 mounting (C / 1)	Cat.No. 790154 0000 <sup>1)</sup>	Standard 790162 0000 Gold Plated 790685 0000	Cat.No. 991059	24Vdc 792345 0024 120Vac 792345 0120
<b>Accessories</b>				
End Plate (AP/DK6) 1.5mm	C9039986	C9039986	C9040396	C9040396

1) Other dual input voltage modules available-consult Weidmüller. 2) Fuse type: Wickmann type TE5