

6

I/O

Not Expandable



PR-6

Model: PR-6AC-R ACModel: PR-6DC-DA-R DC

Specifications

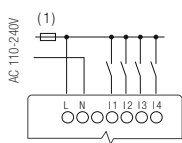
| Item | PR-6AC-R | PR-6DC-DA-R |
|--|---|---|
| Nominal voltage | AC 110V-240V | DC 12-24V |
| Operating limits | AC 85 - 265V | DC 10.8-28.8V |
| The main frequency range | 47-63Hz | - |
| Immunity from micro power | - | Typ 5 ms |
| Max startup current | - | Max 0.25A |
| Isolation voltage | 1780V AC | - |
| Max absorbed power | 34 mA (85V AC) 26 mA (265V AC) | 1.1 W (10.8V DC) 1.2W (28.8V DC) |
| Protection against polarity inversions | Yes | |
| Input No | 4 (I1-I4) | |
| Digital input | 4 (I1-I4) | |
| Analogue input | - | 4 (I1-I4) (0..10V DC) |
| Input voltage | AC 110-240V | DC 0-28.8V |
| Input signal 0 | AC 0-40V <0.03mA | < 5V DC <0.1mA |
| Input signal 1 | AC 79-240V >0.06mA | >8 V DC >0.3mA |
| Input current | - | 0.4mA @ 10.8V DC 0.5mA @ 12.0 V DC 1.2mA @ 24 V DC 1.5mA @ 28.8 V DC |
| Response time | 0 to 1: 120V AC : Typ. 50 ms 240V AC : Typ. 30 ms 1 to 0: 120V AC : Typ. 90 ms 240V AC : Typ. 100 ms | 0 to 1: Typ. 1.5 ms 1 to 0: Typ. 1.5 ms |
| Maximum counting frequency | Typ: 4 Hz | |
| Sensor type | Contact or 3-wire PNP | |
| Input type | - | Resistive |
| Isolation between power supply and inputs | - | |
| Isolation between inputs | - | |
| Protection against polarity inversions | Yes | - |
| Measurement range | - | DC 0-10V |
| Input impedance | - | Min 24KΩ Max 72KΩ |
| Input voltage | - | 28.8 V DC max |
| Resolution | - | 9bit 0.015V |
| Accuracy at 25 °C | - | ± (Max 0.03)V |
| Accuracy at 55 °C | - | ± (Max 0.06)V |
| Isolation between analog inputs and power supply | - | |
| Cable length | - | 10 m max shielded & twisted |

| Item | PR-6 |
|------------------|--|
| Memory | 64 Functional Blocks |
| Data Retentivity | - |
| Program Backup | 10 years |
| RTC | Backup at 25 °C: 20 days, RTC accuracy : MAX ±2S/day |
| Cycle time | 0.6ms - 8.0ms |
| Expansion | - |
| Communication | TTL interface, 1 Program/RS232 port. Modbus RTU/ASCII only can serve as slaves |
| Certificate | |
| Operation Temp | -20 °C .. +55 °C |
| Storage Temp | -40 °C .. +70 °C |
| Protection | IP20 |
| Dimensions | 48*90*64 (Unit, mm) 2DIN |
| Installation | 35mm-DIN rail or screw for installation |
| Weight | Approx. 180g |

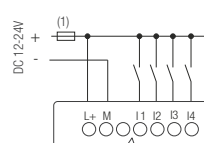
| Item | PR-6AC-R | PR-6DC-DA-R |
|----------------------------------|--|-------------|
| Output No | 2 (Q1-Q2) | |
| Output type | Relay output | |
| Continuous current | Resistive load 10A/Inductive load 2A | |
| Max breaking voltage | AC 250 V DC 110 V | |
| Max allowable power force | 1250VA 300W | |
| Electrical durability expectancy | 105 Operations at Rated Resistive Load | |
| Mechanical life | 107 Operations at No Load condition | |
| Built-in protections | Against short-circuits: None Against overvoltages and overloads: None | |
| Response time | Operate Time : 15 ms max Release Time : 10 ms max | |
| Mechanism | 10Hz | |
| Resistor/light load | 2Hz | |
| Sensitive load | 0.5Hz | |

I/O circuit diagrams

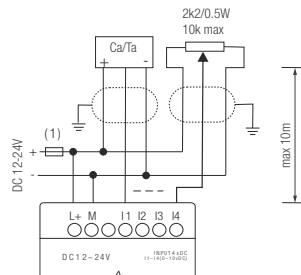
[Digital Input - Power AC]



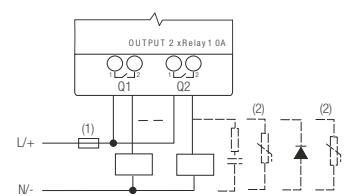
[Digital Input - Power DC]



[DC analog inputs 0-10V - Power DC]



[Relay Outputs]



(1) - Fuse, circuit-breaker or circuit protector
(2) - Inductive load;