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PLC Technical Datasheet



| Models | | PLCD0808TX-ED | PLCD0808TX-0D | PLCD0808RX-0D | PLCA0808TX-0D | PLCA1616TX-0D | PLCA1616RX-0D |
|-------------------|-------------------------|---|---|---|---------------------------------------|--|---------------|
| | | | | | | PLCA1616TX-ED | PLCA1616RX-ED |
| Power Supply | Power supply voltage | 24 VDC | | | 220 VAC | | |
| | Digital input | 8 | | | 8 | 16 | |
| Input parameters | High-speed counting | 4 No. single-phase (X0, X2, X4 and X6) 200kHz 4 No. single-phase (X1, X3, X5 and X7) 20kHz | 2 No. single-phase (X0, X2) 200kHz 2 No. single-phase (X1, X3) 20kHz | 2 No. single-phase (X0, X2) 200kHz 2 No. single-phase (X1, X3) 20kHz | 2 No. single-phase (X0 and X1) 200kHz | 2 No. single-phase (X0 and X2) 200kHz 2 No. single-phase (X1 and X3) 200kHz | |
| | AB phase counting | 4 No. AB phase (X0X1, X2X3, X4X5 and X6X7) 200kHz | 2 AB phase count (X0X1, X2X3) 200kHz | 2 AB phase count (X0X1, X2X3) 200kHz | 1 No. AB phase (X0X1) 100kHz | 2 No. AB phase (X0X1 and X2X3) 200kHz | |
| | Input wiring | Support Sink/Source conversion by internal S/S terminal and external wiring | | | | | |
| | Input signal voltage | 24 VDC±20% | | | | | |
| Output parameters | Maximum resistive load | Single point 0.5A, common point 2A | single point 0.3A, total point 1A | single point 0.3A, total point 1A | Single point 0.5A, common point 2A | | |
| | Pulse output | 200kHz for 4 channels respectively | | - | 200kHz for 2 channels respectively | 200kHz for 4 channels respectively | - |
| | Digital output | 8 | | | 8 | 16 | |
| | Output type | Transistor/NPN | Transistor/NPN | Relay | Transistor/NPN | Transistor/NPN | Relay |
| Interfaces | RS485 | 2 port | 1 port | 1 port | 2 port | 2 port | |
| | USB device port | Support upload and download, online monitoring | | | | | |
| | Ethernet port | Yes | - | - | - | Select "-ED" model for Ethernet port | |
| | Front expansion slot | - | - | - | - | 1 | |
| | Right extension module | 16-channel standard module | - | - | 16-channel standard module | | |
| Other parameters | FCC compatibility | Conform to FCC, Class A | | | | | |
| | CE certification | Conform to standards of EN55032 and EN55035 | | | | | |
| | IP rating | IP30 | | | | | |
| | Software | EmoLog+ | | | | | |
| | Programming Language | Ladder, Instruction List (IL), FBD, STL, SFC | | | | | |
| Structure | Dimensions (W×H×D) (mm) | 64 × 97 × 72 | 30 × 97 × 72 | 30 × 97 × 72 | 70 × 97 × 81 | 125 × 97 × 81 | |
| | Weight (g) | 239 | 109 | 109 | 305 | 500 | |

| Models | | PLCA2624TX-0D | PLCA2624RX-0D | PLCA3432TX-0D | PLCA3432RX-0D |
|-------------------|-------------------------------|---|---------------|---|---------------|
| | | PLCA2624TX-ED | PLCA2624RX-ED | PLCA3432TX-ED | PLCA3432RX-ED |
| Power Supply | Power supply voltage | 220 VAC | | | |
| | Digital input | 26 | | 34 | |
| Input parameters | High- speed counting | 4 No. single-phase (X0, X2, X4 and X6) 200kHz 4 No. single-phase (X1, X3, X5 and X7) 20kHz | | | |
| | AB phase counting | 4 No. AB phase (X0X1, X2X3, X4X5 and X6X7) 200kHz | | | |
| | Input wiring | Support Sink/Source conversion via S/S terminal and external common-line wiring | | | |
| | Input signal voltage | 24 VDC±20% | | | |
| | Maximum resistive load | Single point 0.5A, common point 2A | | | |
| Output parameters | Pulse output | 200KHz for 4 channels respectively at maximum | - | 200KHz for 4 channels respectively at maximum | - |
| | Digital output | 24 | | 32 | |
| | Output type | Transistor/NPN | Relay | Transistor/NPN | Relay |
| | RS485 | 2 port | | | |
| Interfaces | USB device port | Support upload and download, online monitoring | | | |
| | Ethernet port | Select "-ED" model for Ethernet port communication | | | |
| | Front expansion slot | 2 | | | |
| | Right extension module | 16-channel standard module | | | |
| | FCC compatibility | Conform to FCC, Class A | | | |
| Other parameters | CE certification | Conform to standards of EN55032 and EN55035 | | | |
| | IP rating | IP30 | | | |
| | Software | EmoLog+ | | | |
| | Programming Language | Ladder, Instruction List (IL), FBD, STL, SFC | | | |
| | Structure | Overall dimensions (W×H×D) (mm) | 163 × 97 × 81 | | 194 × 97 × 81 |
| Weight (g) | | 580 | | 690 | |
| Environment | Operating ambient temperature | -25 °C ~ 55 °C (no freezing) | | | |
| | Operating ambient humidity | 5~95%RH (no condensation) | | | |
| | Shock resistance intensity | 10~25Hz (XYZ direction 2G/30 min) | | | |