

Series PCD3 Programmable Controllers

General notes:

1. For PCD3.C..., M..., T... the designation may be followed by Z05 or Z09.
2. Each product designation may be followed by Zxx where xx are digits for customers specifics product Design.
3. 'x', 'xx' or 'xxx' in Type Designation are digits to express product with variant equipment of components.

CPU, Base units and their accessories

PCD3.M5440 / M5540	PLC with 512 Kbytes of user memory, max. 1023 digital I / O, 2 interrupts, Run/Stop switch. Web Server; Backup option with PCD7.R500 Flash Card Data protection 1...3 years with lithium battery. USB Port for PG5; RS 232, RS 485 for Profi-S-Net and RS 485 for S-Bus, M5540 is with Ethernet TCP/IP
PCD3.M5447 / M5547	Similar to PCD3.M5440 / M5540 but programmable with Siemens Step 7
PCD3.M5340 PCD3.M6340 / M6347	Same as M5540 but with switchable RS422/RS485 serial interface (instead of MPI) Similar to PCD3.M5540 / M5547 with Communication CAN
PCD3.M6240 PCD3.M3020 / M3230 / M3330 / PCD3.M3120	Same as PCD3.M5440, but with Communication CAN PLC with 128/256/256 Kbytes of user memory. Backup with internal Flash memory, USB port for PG5. Max. 64 / 1023 / 1023 digital I / O, 2 interrupts, web-server; RS 485 for Profi-S-Net or S-Bus PCD3.M3330 and PCD3.M3120 with Ethernet TCP/IP
PCD3.T660 PCD3.T665	PCD3 Ethernet RIO Head station (similar to PCD3.M3330) PCD3 Ethernet RIO Head station (strip down version of PCD3.M3330), 32kB program memory, 256kB on-board-file system
PCD3.T666	PCD3 Ethernet RIO Head station (strip down version of PCD3.M3330), 128kB program memory, 512kB on-board-file system, onboard RS485 interface
PCD3.T667 PCD3.M2030V6	Same as PCD3.T660 but compatible with Siemens Step 7 Compact PLC with 512 kBytes user program memory, 20 dig.IN, 12 dig. OUT, 4 analogue IN, 2 analogue OUT. Expandable to max. 102 I/O's
PCD3.M2130V6 PCD3.M2137V6	Same as M2030, but with Ethernet TCP/IP Same as M2130, but programmable with Siemens Step 7
PCD3.M2230A4Tx	Compact PLC with 512 kBytes user program memory, 8 dig.IN, 2 dig. OUT, 4 analogue IN, 1 Telecom port for PSTN, ISDN or GSM/GPRS. Expandable to max. 78 I/O's
PCD3.M2330A4Tx	Same as PCD3.M2230A4Tx, but with Ethernet TCP/IP
PCD3.M3Batterieprint	Holder for Lithium Battery and Led for CPU Status
PCD3.R010	Battery Module for PCD3.M3xxx (CPU's without extension)
PCD3.R500, R5xxx	Flash memory module, 1 Mbyte onto slot 0-3, for PCD3.M3xx0 as backup for the user program
PCD3.R550M04 PCD3.R551M04	4MB flash memory module with file system for Saia® PCD3.M3xxx 4MB flash memory module with file system for Saia® PCD3.M3xxx
PCD3.R560 PCD3.R561	BACnet modules for Saia® PCD2.M5xx0 / PCD3.Mxxx0 BACnet modules for Saia® PCD2.M5xx0 / PCD3.Mxxx0
PCD3.R600	Basic module for SD flash memory card
PCD7.R500, R5xxx	Flash memory module, 1 Mbyte, plug-in, for PCD3.M5x4x as backup for the user program
PCD3.T26x / PCD3.T76x	Profibus DP RIO head station with 4 I/O module slots, Profibus DP / Profi-S-Net connection and integral web server, 24 VDC supply

Base Units Modules

PCD3.C100 / C110	Extension housing with 4 resp. 2 I/O module sockets
PCD3.C200	Similar to PCD3.C100, with 24 VDC power supply

Communication Modules

PCD3.F1xx (with PCD7.Fxxx)	I/O Slots
PCD3.F110, F121, F130, F150;	Serial interface module RS 422 / RS 485, RS232, current loop 20 mA, RS 485 with galvanic isolation
PCD3.F1xxR500	F1xx Serial interface module as above with Flash memory for user program backup
PCD3.F180	Serial interface module for Belimo MP-BUS, max. 8 actuators and sensors connectable
PCD3.F210	Serial communication module with two serial interfaces: RS422/RS485 & PCD7.F1xx (optional)
PCD3.F221	Serial communication module with two serial interfaces: RS232 & PCD7.F1xx (optional)
PCD3.F281	Serial communication module with two serial interfaces: Belimo MP-Bus & PCD7.F1xx (optional)
PCD3.K010	Extension plug PCD3 to PCD3
PCD3.K1xx, PCD2.K1xx	Extension cable PCD3 to PCD3, PCD2 to PCD3

Digital Input/Output Modules

PCD3.A200	Digital output module, 4 relays, 250 VAC/2 A, 'make' contact, contact protection
PCD3.A210	Digital output module, 4 relays, 250 VAC/2 A, 'break' contact, contact protection
PCD3.A220	Digital output module, 2 x 3 relays, 250 VAC/2 A, 'make' contact, without contact protection
PCD3.A251	Digital output module, 8 relays, 48 VAC/2 A or 50 VDC/2 A with 6 change-over contacts + 2 make-contacts. Connection via 24-pole cage clamp terminal block.
PCD3.A300	Digital output module, 6 outputs, transistors, 10..32 VDC/2 A
PCD3.A400	Digital output module, 8 outputs, transistors, 5..32 VDC/0.5 A
PCD3.A410	Digital output module, 8 outputs, transistors, 5..32 VDC/0.5 A, electrically isolated from PCD2 bus
PCD3.A460	Digital output module, 16 outputs, transistors, 10..32 VDC/0.5 A, ribbon cable connector for PCD2.K2xx
PCD3.A465	Digital output module, 16 outputs, transistors, 10..32 VDC/0.5 A, connection for spring terminals
PCD3.A810	Digital manual control module with 4 relays outputs: - 2 'changeover' contacts, - 2 'make' contacts
PCD3.A860	Light and shades control module with - 2 relays outputs 250 VAC/12A - 2 digital inputs 24 VDC
PCD3.B100	Digital input/output module, 2 inputs, 2 outputs and 4 configurable inputs/outputs, inputs : 24 VDC / delay 8 ms, outputs: breaking capacity 0.5 A / 5..32 VDC
PCD3.E110	Digital input module, 8 inputs, 24 VDC, source and sink operation, 8 ms input delay
PCD3.E111	As E110 with 0.2 ms input delay
PCD3.E116	Digital input module, 8 inputs, 5 VDC, source and sink operation, 0.2 ms input delay
PCD3.E160	Digital input module, 16 inputs, 24 VDC, source and sink operation, 8 ms input delay, cable with ribbon cable connector for PCD.K2xx/.K3xx
PCD3.E161	As E160 with 0.2 ms input delay

PCD3.E165	Digital input module, 16 inputs, 24 VDC, source and sink operation, 8 ms input delay, connection for spring terminals
PCD3.E166	Digital input module, 16 inputs, 24 VDC, source and sink operation, 0.2 ms input delay, connection with spring terminals to max 0.5 mm ²
PCD3.E500	Digital input module, 6 inputs, 110..240 VAC, electrically isolated, source operation
PCD3.E610	Digital input module, 8 inputs, 24 VDC, electrically isolated, source and sink operation, 8 ms delay

Analogue Input/Output Modules

PCD3.W200	Analogue input module, 8 inputs, 10 bits, 0..10 V
PCD3.W210	Analogue input module, 8 inputs, 10 bits, 0..20 mA
PCD3.W220	Analogue input module, 8 inputs, 10 bits, Pt/Ni 1000
PCD3.W300	Analogue input module, 8 inputs, 12 bits, 0..10 V
PCD3.W305	Analogue input module with galvanic isolation, 7 inputs, 12 bits, 0..10 V
PCD3.W310	Analogue input module, 8 inputs, 12 bits, 0..20 mA
PCD3.W315	Analogue input module with galvanic isolation, 7 inputs, 12 bits, 0(4)..20 mA
PCD3.W325	Analogue input module with galvanic isolation, 7 inputs, 12 bits, ±10 V
PCD3.W340	Analogue input module, 8 inputs, 12 bits, universal: 0..10 V, 0..2.5 V, 0..20 mA, Pt/Ni 1000
PCD3.W350	Analogue input module, 8 inputs, 12 bits, Pt / Ni 100
PCD3.W360	Analogue input module, 8 inputs, 12 bits, Pt 1000 (-50..+150°C, 0.1°C)
PCD3.W400	Analogue output module, 4 outputs, 8 bits, 0..10 V
PCD3.W410	Analogue output module, 4 outputs, 8 bits, switchable 0..10 V / 0..20 mA / 4..20 mA
PCD3.W500	Analogue, combined input/output module, 2 inputs, 12 bits, 0..10 V or ±10 V and 2 outputs, 12 bits, 0..10 V or ±10 V
PCD3.W525	Customized multifunctional Analog Input/output Module
PCD3.W600	Analogue output module, 4 outputs, 12 bits, 0..10 V
PCD3.W605	Analogue output module with galvanic isolation, 6 outputs, 10 bits, 0..10 V
PCD3.W610	Analogue output module, 4 outputs, 12 bits, 0..10 V / ±10V / 0..20 mA
PCD3.W615	Analogue output module with galvanic isolation, 4 outputs, 10 bits, 0(4)..20 mA
PCD3.W625	Analogue output module with galvanic isolation, 6 outputs, 10 bits, ±10 V
PCD3.W720	Weighing module with 2 systems for up to 6 weighing cells; resolution 18 bit
PCD3.W745	Universal temperature measurement module for up to 4 measuring inputs, resolution 16 bits, for TC Type J & K and Pt 100/1000 & Ni 100/1000
PCD3.W800	Analogue manual control module with - 3 outputs 0..10 V with manual control - 1 output 0..10 V without manual control

Motion Modules

PCD3.H100	Intelligent counting module, 1 counting channel, 20 kHz, 2 inputs
PCD3.H110	Intelligent fast counting module, 1 counting channel, 100 kHz, 2 inputs, measurement of period, pulse and frequency
PCD3.H150	Absolute encoder module with SSI interface and 4 outputs 24 VDC/0.5 A
PCD3.H210	Module for one stepper motor axis
PCD3.H310	Module for 1 servomotor axis, encoder input, 24 VDC/100 kHz, setpoint output ±10V (12 Bit)
PCD3.H311	Module for 1 servomotor axis, encoder 5 VDC/100 kHz, setpoint output ±10V (12 Bit)

