

MA certificate No. MF284513-X

**Product:** Programmable Logic Controller**Model:** PCD, Series PCD1 | PCD2, PCD4 and PCD 7 and Series PCS1**Description:**

Series PCD1 / PCD2 Programmable Controller

**PROCESSOR and SUPPLY MODULES**

- PCD1 .M110 Base unit for 4 I/O modules  
 .M120 Base unit for 4 I/O modules  
 .M125 Base unit for 4 I/O modules  
 .M130 Base unit for 4 I/O modules  
 .M135 as M125, but with socket for CR2032 lithium battery  
 .M137 Base unit for 4 I/O modules  
 .T240 Base unit for 4 I/O modules
- PCD2 .M110 Base unit for 8 I/O modules  
 .M120 Base unit for 8 I/O modules  
 .M150 Base unit for 8 I/O modules  
 .M170 Base unit for 8 I/O modules  
 .M127 Base unit for 8 I/O modules  
 .M157 Base unit for 8 I/O modules  
 .M177 Base unit for 8 I/O modules  
 .M480 Base unit for 8 I/O modules  
 .M487 Base unit for 8 I/O modules  
 .M5440 Base Unit for 8 I/O modules, with RS232 and RS485, without Ethernet TCP/IP  
 .M5540 Base Unit for 8 I/O modules, with RS232 and RS485, with Ethernet TCP/IP  
 .M5547 similar to PCD2.M5540, but programmable with Step 7

**MEMORY MODULES**

- PCD7 .R4xx Flash Memory Backup module

**EXTENSION MODULES**

- PCD2 .C10x Extension unit for 8 I/O modules  
 .C15x Extension unit for 4 I/O modules  
**.C2000 Extension unit for 8 I/O modules**

**DIGITAL INPUT/OUTPUT MODULES**

- PCD2 .E11x 8 inputs 24V DC sink/source  
 .E16x 16 inputs 24V DC sink/source  
 .E61x 8 inputs 24V DC opto isolated  
 .E500 6 inputs 115-230 VAC opto isolated  
 .E520 6 inputs 24VAC opto isolated  
 .E523 6 inputs 48VAC opto isolated  
 .A2xx 4 relay outputs 230 V / 2A with VDR/RC protection  
 .A220 6 relay outputs 230 V / 2A  
 .A250 8 relay outputs 48 V / 2A  
 .A300 6 transistor outputs 24 V / 2A  
 .A400 8 transistor outputs 24 V / 0.5A  
 .A410 8 transistor outputs 24 V / 0.5A, opto isolated  
 .A46x 16 transistor outputs 24 V / 0.5A  
 .B100 8 combined inputs/outputs, 24 V / 24 V / 0.5A

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**Product:** Programmable Logic Controller**Model:** PCD, Series PCD1 | PCD2, PCD4 and PCD 7 and Series PCS1**Description:****ANALOGUE INPUT/OUTPUT MODULES**

PCD2 .W10x 4 analogue inputs (0..10V,+/-10V, 0..20mA, +/-20mA)  
 .W11x 4 analogue inputs (Pt100, Ni100, Pt1000, Ni1000)  
 .W2xx 8 analogue inputs (0..10V, 0..20mA, Pt1000)  
 .W3xx 8 analogue inputs (0..10V, 0..20mA, Pt/Ni100, Pt1000)  
 .W3x5 7 analogue inputs with galvanic separation (0..10V, 0..20mA, +/-10V)  
 .W4xx 4 analogue outputs (0..10V, 0..20mA)  
 .W5xx 4 analogue in/outputs (0..10V, 0..20mA)  
 .W525 4 analogue inputs / 2 analogue outputs (0..10V, 0..20mA)  
 .W6xx 4 analogue outputs (0..10V, +/-10V, 0..20mA)  
 .W6x5 6/4/6 analogue outputs with galvanic separation (0..10V, 0..20mA, +/-10V)  
 .W7x0 1/2 analogue weighing systems for up to 4 resp. 6 weighing cells  
 .W745 4 analogue for sensor types RTD Thermocouple

**COMBINED DIGITAL I ANALOGUE MODULES**

PCD2 .G400 4 I/O modules combined from:  
 .W200/.W400.A400.E110  
 .G410 4 I/O modules combined from:  
 .E610 .A200 .W410 .W2...

**COUNTING AND MOTION CONTROL MODULES**

PCD2 .H1xx Counter module 20 / 100kHz  
 .H150 Serial synchronous interface (SSI) module

**SERIAL INTERFACE MODULES**

PCD7 .F1xx Interface (RS422/485, RS232, 20mA CL opto isolated, RS485 opto isolated)  
 .F121 Interface (RS232) new generation  
 PCD2 .F2100 RS 422 / RS 485 & optional PCD7.F1xx  
 .F2210 RS 232 & optional PCD7.F1xx  
 .F2810 Belimo MP-Bus & optional PCD7.F1xx

**FLASH CARDS**

PCD7 .Rxxx Flash Memory Backup module

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**Description:**

**COMMUNICATION MODULES**

PCD2 .F5xx Real Time Clock (RTC), 7-segment display, serial ports, Interface for display  
PCD7.D 160

.T500 MP-Bus (Belimo)

PCD7 .F180 MP-Bus (Belimo)

.F700 Profibus FMS module

.F750 Profibus DP Master module

.F77x Profibus DP Slave module

.F80x LON module

.F65x Ethernet module

.T500 MP-Bus (Belimo)

.F7400 CAN communication extension module

.F7500 Profibus DP Master communication extension module

**MODEM MODULES**

PCD2 .T813 Analogue modem 33.6 kbps

.T850 Digital modem ISDN-TA

**BUS COMPONENTS FOR RS485 NETWORKS**

PCD7 .T1xx Repeater RS485, Converter RS232 & RS485, Termination box

**TEXT TERMINALS**

PCD7 .D16x Terminal, direct mounting on PCD1/PCD2

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**Description:**

Series PCD4 Programmable Controller

**CPU BUS MODULES (for Power Supply and CPU)**

PCD4 .C1xx With 1 serial interface 20mA CL, RS232, RS422/485  
.C340 With 3 serial interfaces and 4 I/O modules

**INPUT/OUTPUT BUS MODULES**

PCD4 .C22x For 2 I/O modules  
.C260 For 6 I/O modules

**PROCESSOR MODULES**

PCD4 .M110 With PGU  
.M120 With PGU + 1 additional serial interface  
.M140 With PGU + 3 additional serial interfaces  
.M170 With PGU + 3 additional serial interfaces  
.MI70Fxx as M170 by adding PCD7.F700, F750, F77x, F65x (Comm. Module)  
.M125 With PGU + 1 additional serial interface  
.M145 With PGU + 3 additional serial interfaces  
.M445 With PGU + 3 additional interfaces and PROFIBUS co-processor

**POWER SUPPLY MODULES**

PCD4 .N200 24VDC; 5V/4A  
.N210 24VDC; 5V/4A; +15V/0.5A, -15V/0.45A

**PUBLIC MEMORY MODULES**

PCD7 .R1xx 2 sockets for EPROM or RAM (max 256kByte), accumulator, HW clock  
RAM for FIT/C(R media)  
PCD7 .R2xx 2 sockets for EPROM or RAM, equipped with RAM 256kByte, accumulator,  
HW clock, RAM for F/T/C/R media  
PCD7 .R3xx 2 sockets for EPROM or RAM (max.428kByte), accumulator, HW clock,  
RAM for F/T/C/R media

**DIGITAL INPUT/OUTPUT MODULES**

PCD4 .E1xx 16 inputs 24V DC  
.E600 16 inputs 24V DC opto isolated  
.A200 8 relay outputs 230V / 2A with VDR/RC protection  
.A250 16 relay outputs 230V / 2A  
.A350 8 transistor outputs 24V / 2A  
.A400 16 transistor outputs 24V / 0.5A  
.A410 16 transistor outputs 24V / 0.5A opto isolated  
.B900 16 inputs 24V DC and 16 transistor outputs 24V / 0,5A

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**Description:**

**ANALOGUE INPUT/OUTPUT MODULES**

PCD4 .W100 4 inputs + 2 outputs 12 Bit (range selected with PCD7.Wxxx modules)  
.W300 8 inputs 12 Bit + sign (range selected with PCD7.Wxxac modules)  
.W400 8 outputs 8 Bit 0..10V/0..20mA  
.W500 8 inputs/outputs 12 Bit, galvanic separated (range selected with PCD7.Wxxx modules)  
.W600 8 outputs 12 Bit, galvanic separated (range selected with PCD7.Wxxx modules)

**ANALOGUE RANGE MODULES**

PCD7.W1xx 4 inputs (0..10V, 0..20mA, Pt100)  
PCD7.W2xx 1 output (+/-10V, 0..10V, 0..20mA, 4..20mA)  
PCD7.W3xx 2 outputs (+/-10V, 0..10V, 0..20mA, 4..20mA)

**VARIO PLUS MODULES**

PCD7.L97x VARIO-PLUS reduced  
PCD7.L98x VARIO-PLUS standard  
PCD7.L99x VARIO-PLUS extended

**Series PCD7 Text Terminals**

PCD7.D170 Terminal via serial interface RS232  
PCD7.D202 Terminal via serial interface RS232  
PCD7.D250 Terminal via serial interface R5232  
PCD7.D23x Graphics Terminal with single knob control, 10, resp. 20 function keys

**Series PCS1 Compact Controller**

PCS1.C8xx (xxxx) Base unit including 36 Digital +Analogue I/O, 4 N.O + 4 SPDT Relay outputs  
PCS1.C6xx (xxxx) Base unit as PCS1.C8xx with less I/O (30 data points)  
PCS1.C4xx (xxxx) Base unit as PCS1.C8xx with less I/O (19 data points)