

## Saia® PCD3 System Compact



**Malthe Winje**

08-594 118 30   [www.mwa.se](http://www.mwa.se)   [info@mwa.se](mailto:info@mwa.se)

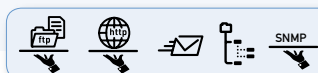
## 1.2.2 Saia® PCD3.M2130V6 Compact

The PCD3 Compact brings together a high degree of functionality in a very compact space. With its compact dimensions, it can fit into the smallest switch cabinets. This makes it ideal for upgrading existing installations. It includes all the features of PCD3 technology and also has I/Os directly onboard.

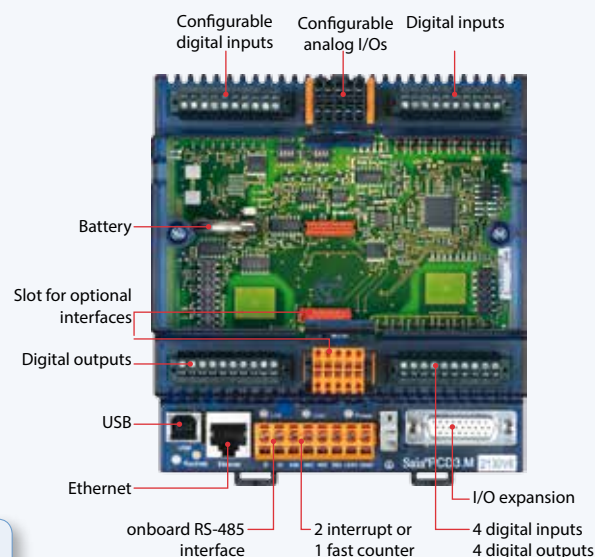


### System properties

- ▶ Freely programmable with PG5
- ▶ Compact dimensions: 130 × 140 × 74 mm (W × H × D)
- ▶ Integral interfaces: USB, Ethernet and RS-485
- ▶ Slot A for optional PCD7.F1xxS serial communication modules
- ▶ 38 inputs/outputs already in base unit
- ▶ Replaceable lithium battery
- ▶ Configurable analog inputs for voltage, current and temperature
- ▶ Expandable with PCD3.C200 or PCD3.C110 I/O-module holder
- ▶ Local I/O expansion with remote I/O PCD3.T66x (Ethernet) or PCD3.T760 (Profi-S-IO)



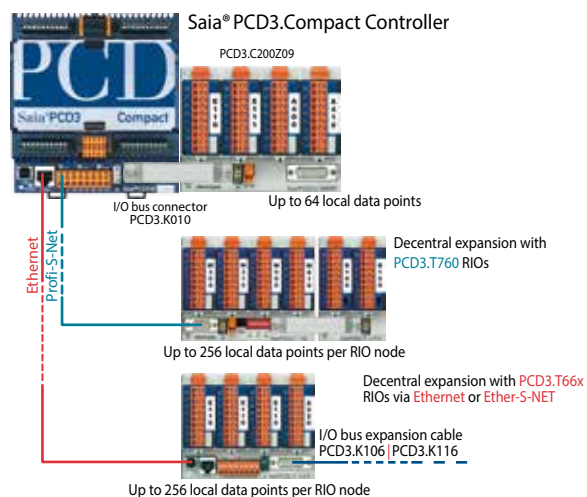
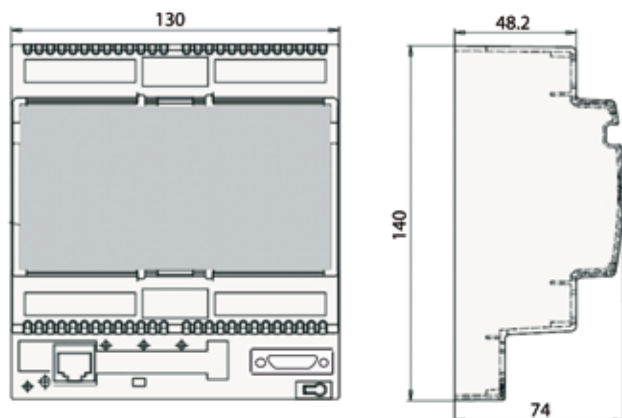
AutomationServer  
integrated in  
the base unit



### On-Board inputs/outputs

Type	Number	Input voltage	Signal ranges	Breaking capacity VDC	Resolution	I/O connector type
Digital inputs	20	15...30 VDC	---	---	---	Plug-in screw terminals or push-in terminals with LED (optional)
Digital outputs Transistor	12	---	---	0,5 A / 5...32 VDC	---	Plug-in screw terminals or push-in terminals with LED (optional)
Analog inputs Configurable	4	---	-10 V ... +10 V / 0 ... 20 mA Pt/Ni 1000, Ni 1000 L&S, resistance 0...2500 Ω	---	13-bit / 12-bit	Plug-in spring terminals
Analog outputs	2	---	0 ... 10 V	---	12-bit	Plug-in spring terminals

### Dimensions



## Performance overview and accessories

### Power supply

Type	Description
Supply voltage (according to EN/IEC 61131-2)	24 VDC –20 / +25% incl. 5% ripple
Current draw / Input power	typically 175 mA / 4.2 W max. 500 mA / 12 W
Load capacity 5 V / +V internal	max. 600 mA / 100 mA
Reclosing (according to EN/IEC 61131-2)	≤ 10 ms at interval ≥ 1 s
Watchdog relay, make contact	48 VAC or VDC, 1 A

### Communication interfaces to field level, options in slot A

PCD7.F110S	RS-422 with RTS/CTS or RS-485 electrically connected, with line termination resistors capable of activation. Suitable for Modbus, S-Bus, EnOcean, etc.
PCD7.F121S	RS-232 with RTS/CTS, DTR/DSR, DCD. Suitable for modem, EIB, DALI connection.
PCD7.F150S	RS-485 (electrically isolated), with line termination resistors capable of activation,
PCD7.F180S	Belimo® MP-Bus, for connecting up to 8 drives on one line

### I/O expansions

Type	Description	Capacity
PCD3.C110Z09	2 module slots (connection with PCD3.K010 connector or cable PCD3.K106/K116)	0 mA
PCD3.C200Z09	4 module slots, with 24 VDC supply (connection with PCD3.K010 cable or cable PCD3.K106/K116)	1500 mA / 630 mA (5 V / +V)
PCD3.C110	2 module slots (connection with PCD3.K106/K116 cable only)	0 mA
PCD3.C200	4 module slots, with 24 VDC supply (connection with PCD3.K106/K116 cable only)	1500 mA / 630 mA (5 V / +V)

I/O-modules see pages 27 and 28

### Ordering information

Type	Description
PCD3.M2130V6	Base units with 38 I/Os (with plug-in terminal blocks) CPU with 512 kByte user program, backup with onboard flash memory, 1 MByte File System, USB port for programming with PG5, RS-485 interface, 2 interrupt inputs, integral Web & FTP server, 1 port (slot A) for PCD7.F1xxS communication modules, lithium battery for data backup for 1...3 years, Ethernet TCP/IP interface
PCD3.M2030V6	Same as PCD3.M2130V6 but without Ethernet TCP/IP interface
4 405 5066 0	Optional: pluggable 10-pin push-in terminal block with LEDs, for digital I/Os
4 405 5079 0	Optional: 3×10 pin (3-wire connection), pluggable push-in terminal block with LEDs, for digital I/Os