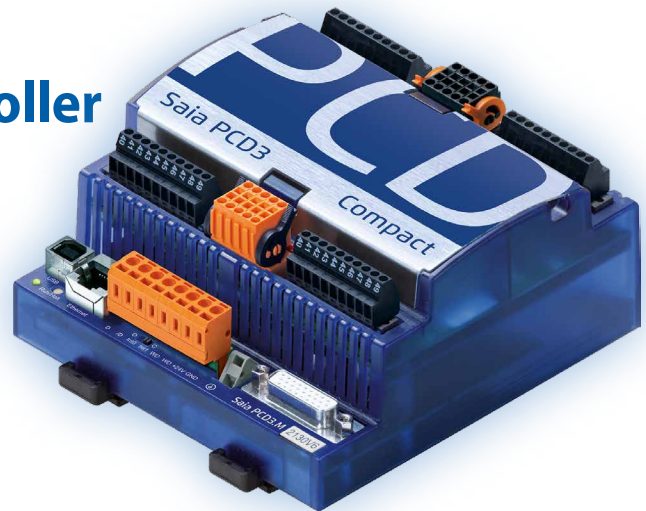


Compact – Ethernet Controller Saia PCD3.M2130V6



With his depth dimension less than 8 cm, the PCD3 Compact can fit in very small environment. Its configuration covers all small industrial and special applications. Including all new features of the PCD3 technologies like communication capabilities (http direct), Web Server, File System...

Latest CPU technology

- Sustainable processor technology and
 - 512 KByte RAM as User Program Memory,
 - 512 KByte Flash memory as Backup Memory,
 - 1 MByte Flash memory as File System on board
- PLC in combination with the Saia PCD® COSinus operating system
- Compact size: 130 × 140 × 74 mm (W × H × D)
- USB, RS 485 for Profi-S-Net, and Ethernet interface in the base unit. Integral Web & FTP server
- Socket A for optional serial communication module PCD7.F1xxS (RS-232, RS-422/485)
- Exchangeable Lithium battery

Maximum peripheral connections

- Additional remote inputs/outputs with PCD3.T660 (Ethernet) or PCD3.T760 (Profi-S-IO) and PCD3 I/O modules

PCD3 Compact I/O data points

- 38 data points in the base unit
- The connection of one PCD3.C110Z09 or PCD3.C200Z09 I/O extension module holder is supported
- Status of digital signals indicated via LEDs on terminal blocks (optional)
- Consistent PG5 support in all CPUs and RI/Os via FBs and FBoxes

Efficient SBC programming tools PG5

For more details see TI PP26-362 - or better download software demo version under:

www.sbc-support.com/en/product-index/pg5-controls-suite

- Hardware configuration with the device configurator (mapping of resources)

General technical data / Operating conditions

Power supply

Supply voltage (according EN / IEC 61 131-2)	24 VDC -20/+25% incl. 5% ripples
Current / Power consumption	typ. 175 mA / 4.2 W max. 500 mA / 12 W
Load-carrying ability 5 V / 24 V internal	max. 600 mA / 100 mA
Short voltage interruptions (according EN / IEC 61 131-2)	≤ 10 ms with interval ≥ 1 s
Watchdog relay closing contact	48 VAC or VDC ¹⁾ , 1 A

Environmental influences

Storage temperature (according EN / IEC 61 131-2)	-25...+70 °C
Ambient temperature operating	0...+45 °C
Relative air humidity (according EN/IEC 61 131-2)	10...95 % r.h. non-condensing

Mechanical data

Type of mounting	Top-hat rail according to DIN EN 60 715 TH35 formerly DIN EN 50 022) (1 × 35 mm)
Protection level	IP 20
Flame resistance	UL 94 V0
Vibration (according EN / IEC 61 131-2)	0.075 mm / 1.0 g sinusoidally
Shock (according EN / IEC 61 131-2)	15 g / 11 ms sine half wave

¹⁾ mount a free-wheeling diode over the load when switching DC tension

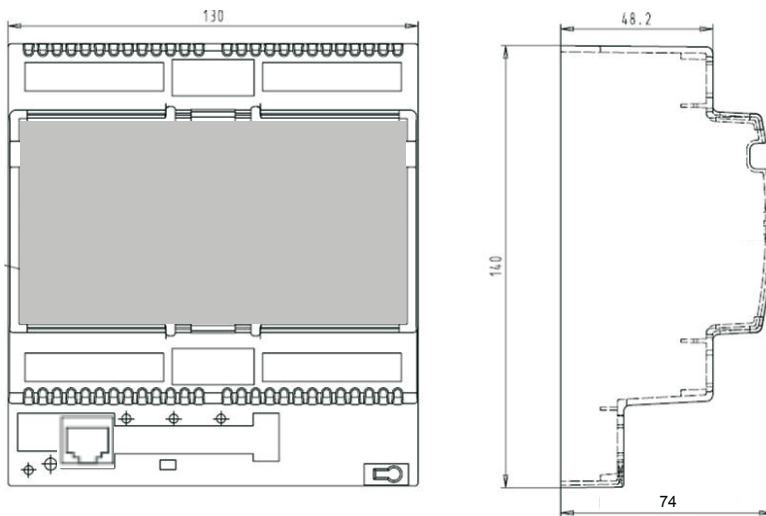
PCD3 Compact I/O data points

Type	Number	Input voltage	Signal ranges	Breaking capacity	Resolution	I/O Connector type
Digital Inputs	20	15 ... 30 VDC		0.5 A/5...32 VDC		plug-in screw terminals or «push-in» terminals with LED (optional)
Digital outputs	12					
Analogue 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 terminal
Analogue outputs	2		0 ... 10 V		12 Bit	plug-in spring terminal

I/O extensions

One PCD3.C110Z09 extension module holder for 2 or one PCD3.C200Z09 extension module holder for 4 PCD3 I/O modules can be connected.

Dimension drawing



Ordering information

Type	Description	Weight
PCD3.M2130V6	Base units with 38 data points (with plug-in terminal block) CPU with 512 Kbytes user program, backup with onboard Flash memory, 1 MByte File System, USB port for programming with PG5, RS-485, 2 Interrupts, integral Web & FTP server, 1 port (socket A) for communication interface PCD7.F1xxS, lithium battery, Ethernet TCP/IP	920 g
4 405 5066 0	Optional pluggable «push-in» terminal block with LED, 10 poles for digital I/Os	11 g
4 405 5079 0	Optional pluggable «push-in» terminal block with LED, 3 × 10 poles (3 wires connection) for digital I/Os	15 g

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