

## Compact – Ethernet Controller

### Saia® PCD3.M2130V6

Controls Division

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®NT operating system
- Compact size: 100 × 140 × 74 mm (W × H × D)
- USB, RS 485 for Profi-S-Net, and Ethernet interface in the base unit. Integrated Web server
- Socket A for optional serial communication module PCD7.F1xx (RS 232, RS 422/485)
- Exchangeable Lithium battery

#### Maximum peripheral connections

(for more details see TI P+P26/388)

- Additional remote inputs/outputs via Profi-S-IO with PCD3.T760 and PCD3 I/O modules

#### PCD3 Compact I/O data points

- 38 data points in the base unit
- Status of digital signals indicated via LEDs on terminal blocks (optional).
- Consistent PG5 support in all CPUs and RIOs via FBs and FBoxes

#### Efficient Saia® programming tools PG5

(for more details see TI P+P26/362 -

or better download software demo version under [www.sbc-support.ch/pcd8/pxxx/pcd8p5.htm](http://www.sbc-support.ch/pcd8/pxxx/pcd8p5.htm))

- 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 <sup>1)</sup> , 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	DIN rail 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

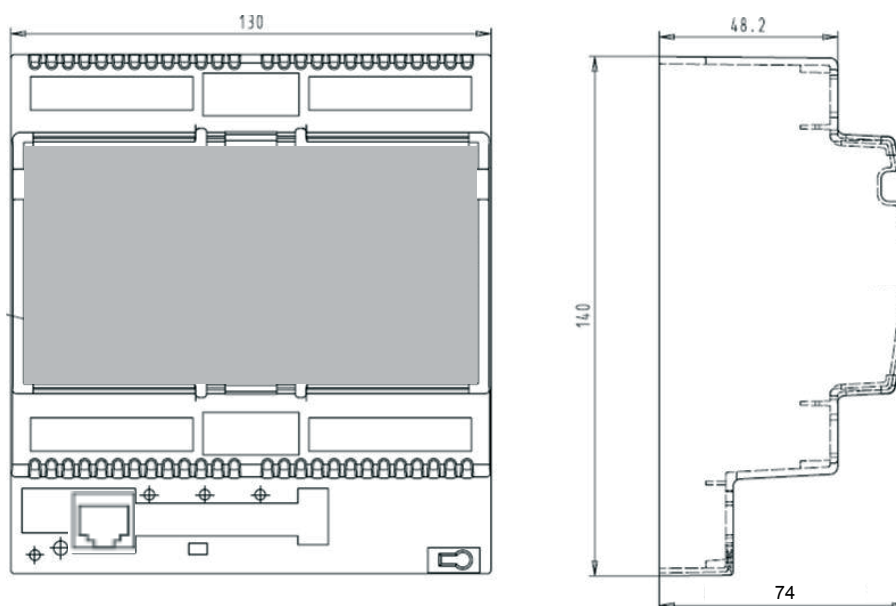
<sup>1)</sup> mount a free-wheeling diode over the load when switching DC tension

## PCD3 Compact I/O data points

Type	Number	Input voltage VDC	Signal ranges	Breaking capacity VDC	Resolution	I/O connector type
Digital inputs	20	15...30				screw terminals or terminal block with LED (optional)
Digital outputs transistor	12			0.5 A/5...32		
Analogue inputs configurable	4		-10 V...+10 V / 0...20 mA		13 Bit / 12 Bit	plug-in terminal
Analogue outputs	2		0...10 V		12 Bit	plug-in terminal

## Dimension drawing

Valid for both controllers PCD3.M2030V6 and PCD3.M2130V6 with Ethernet connection



## 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. RS485, 2 Interrupts, integral Web & FTP server. 1 port (socket A) for communications interface PCD7.F1xx. lithium battery, Ethernet TCP/IP	750 g
PCD3.M2030V6	Same as PCD3.M2130V6 but without Ethernet TCP/IP	750 g
4 405 5066 0	Optional pluggable "push in" terminal block with LED, 10 poles for digital I/Os	12 g

## Addresses

Switzerland and international

Saia-Burgess Controls Ltd.  
Bahnhofstrasse 18  
CH-5280 Murten / Switzerland  
T +41 26/672 71 11  
F +41 26/672 74 99  
pcd@saia-burgess.com  
www.start-controls.com

This brochure was received from:

Product support.  
Technical reference website: [www.sbc-support.ch](http://www.sbc-support.ch)