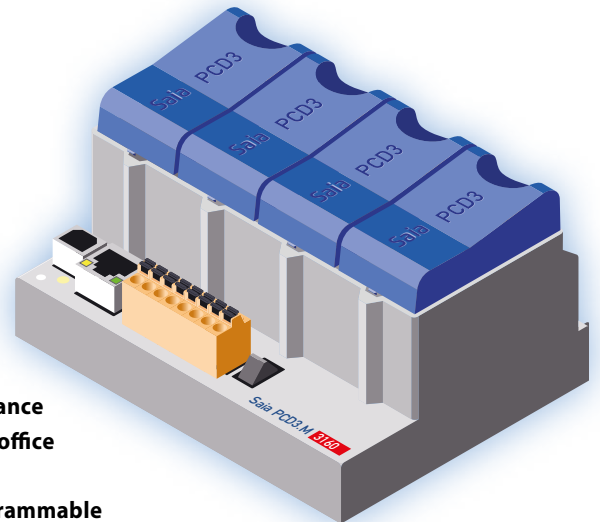


Saia PCD3.M3160

Small Ethernet, PROFIBUS DP Slave Controller



Ethernet as the most popular interface has grown up very fast during the last years due to its connectivity/cabling simplicity/price, speed performance and all the other existing products on the market providing Ethernet for office communication.

The Saia PCD3 controller family has increased with a small compact programmable Ethernet CPU.

Latest CPU technology (for more details see PCD3 Hardware Manual PP26-789)

- ▶ Sustainable processor technology with 512 Kbytes RAM for User Program Memory and 2 Mbytes Flash as Backup Memory on board
- ▶ Compact PLC in combination with the new Saia PCD® COSinus operating system
- ▶ USB, RS-485 and Ethernet-TCP/IP-interface in the base unit. Integrated Web server

Maximum peripheral connections (for more details see TI PP26-388)

- ▶ Up to 64 local inputs/outputs plus 2 interrupt inputs on board
- ▶ Additional remote inputs/outputs (RIO) via Profi-S-IO

PCD3 I/O modules in cassette form (PCD3.Axxx/ .Exxx/ .Wxxx/ .Bxxx/ .Hxxx)

- ▶ More than 50 I/O modules available with different functionalities
- ▶ Status of digital signals indicated via LEDs
- ▶ Consistent PG5 support in all CPUs and RIOs via FBs and FBoxes

Efficient SBC programming tools, for more details see TI PP26-362 or better download software demo version under www.sbc-support.com/en/product-index/pg5-controls-suite/

- ▶ PG5 from Saia Burgess Controls with integrated HMI editor and comprehensive application components make programming convenient and efficient
- ▶ A coordinating combination of operating system and programming tool achieves maximum speed, reliability and functionality

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 interruption (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 (according EN/IEC 61 131-2)	0...+55 °C ²⁾ or 0...+40 °C (depending on mounting situation)
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

²⁾ when assembling on vertical surface, all other mounting methods 0...40 °C

