

Technical Data - PROFINET PND001 (101-220110)

Technical Data - PROFINET PND001 (101-220110)	
Backplane	
Modules	10 (positioned in the first 10 slots)
Power supply	Provided through the backplane
Current consumption	± 410 mA typical (625 mA max)
Compatible backplane units	101-200011, 101-200012, 101-200023, 101-200024, 101-200027
Compatible partner/gateway modules	101-220210, 101-220110, 101-210210, 101-210110, 101-210010
PROFINET specifications	
PROFINET conformance class	B
Supported protocols	RT_CLASS_1, RTA, UDP, DCP, ARP, LLDP, SNMP (MIB II)
Switch propagation time	To be defined
Cycle times	1 ms - 1..128 input or output bytes 2 ms - 129..256 input or output bytes 4 ms - 257..512 input or output bytes 8 ms - 513..1024 input or output bytes
PROFINET IO cyclic process image	1024 input bytes, provider (IOPS) and consumer (IOCS) data qualifiers bytes included. - PND-001 module 4 bytes IOPS - Each input module 1 byte IOPS - Each output module 1 byte IOCS 1024 output bytes, provider (IOPS) and consumer (IOCS) data qualifiers bytes included. - PND-001 module 4 bytes IOCS - Each output module 1 byte IOPS - Each input module 1 byte IOCS
Transferrable bytes to proxies (inputs and outputs)	1, 2, 3, 4, 8, 12, 16, 20, 24, 28, 32, 64, 96, 128, 160, 192, 204
PROFINET cable and connector specifications	
Technology standards	100BaseTX, 10BaseT
Transmission speed detection	Auto detect, Auto cross-over, Auto polarity
Cable length	Max. 100 m
Connectors	RJ 45 - 90 Degree connector for port 1 is not recommended. - Shielded connectors are recommended.

Technical Data - PROFINET PND001 (101-220110)	
PROFINET Device Name	
Rotary switch (the use of setting position 1..9 overrides the stored device name).	0 = Stored device name (set by software - DCP protocol) 1 = "COMbricks-1" 9 = "COMbricks-9"
Maximum device name length	63 characters separated by (.) or (-) and a total length of max 240 characters
LEDs	
RDY (OFF) RDY (blinking at 0.3Hz) RDY (blinking at 1Hz) RDY (ON) RUN (ON) SF (ON) BF (OFF) BF (blinking at 0.5 Hz) BF (ON)	Module is not powered or module is faulty. Module is receiving new firmware from the Head Station. Do not remove module or power down the Head Station. Module is communicating with the Head Station. The communication with the Head Station is established. Application is running PROFINET configuration mismatch or system error Device is in PROFINET Data Exchange. No Data Exchange, but physical link established. No physical link.
Certification, Approvals and Identification	
Approvals PROFINET certification number GSD filename GSD bitmap filename Manufacturer / Product Ident Number	PNO PROFINET certificate (GSDML 2.25) CE Emission acc. to EN 55022 (2006) + A1 (2007) class A CE Immunity acc. to EN 55024 (1998) + A1 (2001) + A2 (2003) level 10V/m 10Vrms FCC Emission 47 CFR 15 class A ZZ10500 GSDML-V2.25-PROCEN ^{TEC} -COMbricks PND_001-20120831.xml GSDML-4000-0001-PND001.bmp 0x4000 hex - 0x0001 hex
Others	
Head Station firmware Operating temperature Weight MTBF	Version 1.264 or higher 0 .. 60 °C 111 g To be defined
PROCEN^{TEC} Klopperman 16 2292 JD WATERINGEN (NL)	Tel.: +31-174-671800 Fax: +31-174-671801 Email: info@procentec.com