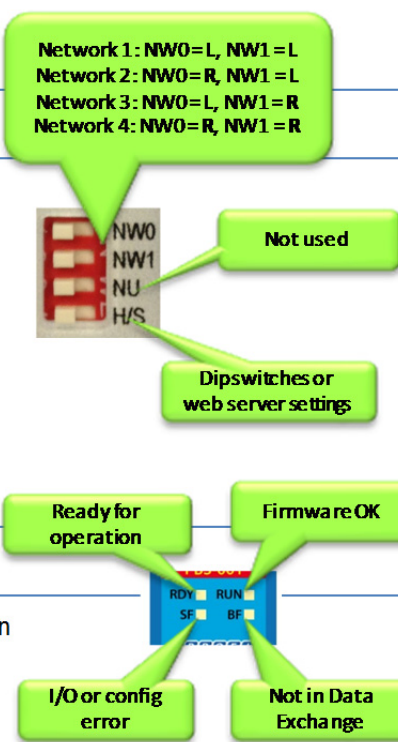


Technical Data – PROFIBUS Slave PBS-001 (101-220210)

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Backplane	
PROFIBUS networks Modules	10 (web server), 4 (dipswitches and web server) 10 (positioned in the first 10 slots)
Power supply Current consumption	Provided through the backplane ± 390 mA typical (625 mA max)
Compatible backplane units Compatible partner/gateway modules	101-200011, 101-200012, 101-200023, 101-200024, 101-200027 101-220210, 101-220110, 101-210210, 101-210110, 101-210010
PROFIBUS DP Slave Device	
Supported protocol Ident Number GSD filename	DP-V0 (certification number: Z01776) 696F PROC696F.gsd (www.procentec.com/downloads)
Bus address	1 – 99 (set by rotary switches) or 0 – 126 (set by software)
Transmission speed Transmission speed detection	9.6 kbps .. 12 Mbps (including 45.45 kbps) Auto detect
Maximum transferrable data Max. transferrable data per gateway Maximum number of gateway modules	244 bytes input and 244 bytes output 128 bytes input and 128 bytes output 9
Selectable number of I/O bytes or words per gateway	1, 2, 3, 4, 8, 12, 16, 20, 24, 28, 32, 64 bytes 48, 64 words
Consistent Gateways:	2, 3, 4, 8, 12, 16, 20, 24, 28, 32, 64 bytes 48, 64 words
Failsafe options Simulation input patterns	Outputs OFF, Outputs ON, Keep last value, Custom failsafe value ON, OFF, Blink, Up counter, Down counter, Zig Zag
RS 485 Repeater	
Bus channels Connector	1 x RS 485 DB9 (A, B, 5V, GND)
Number of devices	Maximum 31 devices per channel (busloads)
Cable lengths	1200 m at 9.6 kbps .. 93.75 kbps 1000 m at 187.5 kbps 400 m at 500 kbps 200 m at 1.5 Mbps 100 m at 3 Mbps .. 12 Mbps
Supported protocols	DP-V0, DP- V1, DP-V2, FDL, MPI, FMS, PROFIsafe, PROFIdrive and any other FDL based protocol

Technical Data – PROFIBUS Slave PBS-001 (101-220210)	
Data delay time	2.0 TBit at 9.6 kbps .. 3 Mbps
Delay time jitter	2.75 TBit at 6 Mbps
	3.75 TBit at 12 Mbps
	Max. ¼ TBit
Dipswitches <div> <p>Network 1: NW0=L, NW1=L Network 2: NW0=R, NW1=L Network 3: NW0=L, NW1=R Network 4: NW0=R, NW1=R</p>  <p>Not used</p> <p>Dipswitches or web server settings</p> <p>Ready for operation</p> <p>Firmware OK</p> <p>I/O or config error</p> <p>Not in Data Exchange</p> </div>	
NW0 NW1 LEFT LEFT RIGHT LEFT LEFT RIGHT RIGHT RIGHT <u>NU</u> <u>H/S</u> LEFT / RIGHT	<u>PROFIBUS Network</u> 1 2 3 4 Not Used <u>Settings</u> Hardware / Software
LEDs	
RDY (ON) RDY (Flashing) RUN (ON) SF (ON) BF (ON)	Module is ready for operation Connecting or updating Internal firmware is OK System Failure: diagnostics or configuration mismatch Bus Failure: not in Data Exchange with master
Others	
Head Station firmware Operating temperature Weight MTBF	At least version 1.275 0 .. 60 °C 120 g To be defined
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