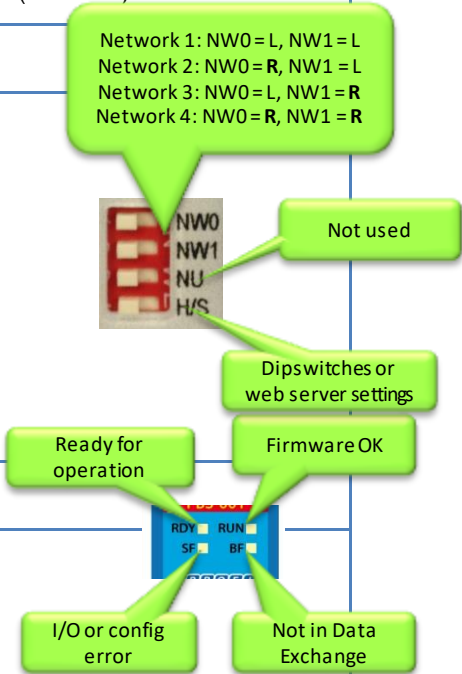


## Technical Data – PROFIBUS Slave PBS-001 (101-220210)

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<b>Backplane</b>	
PROFIBUS networks Modules Power supply Current consumption	4 (set by dipswitches or web server) 10 (positioned in the first 10 slots) Provided through the backplane ± 390 mA typical, ± 625 mA max At this current consumption the module is switched OFF from backplane. Occurs when module is faulty, e.g. internal short circuit.
Compatible backplane units	101-200011, 101-200022, 101-200023, 101-200024, 101-200027
<b>Protocol specifications</b>	
Supported Protocols (PROFIBUS slave)	DP-V0
Supported Protocols (internal repeater)	DP-V0, DP- V1, DP-V2, FDL, MPI, FMS, PROFIsafe, PROFIdrive and any other FDL based protocol
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
Data delay time (normal mode)	2.0 TBit at 9.6 kbps .. 3 Mbps 2.75 TBit at 6 Mbps 3.75 TBit at 12 Mbps
Delay time jitter	Max. ¼ TBit
Maximum transferrable data	244 bytes input and 244 bytes output
Max. transferrable data per proxy	128 bytes input and 128 bytes output
Maximum number of proxy modules	9
Selectable number of I/O bytes or words per proxy	1, 2, 3, 4, 8, 12, 16, 20, 24, 28, 32, 64 bytes 48, 64 words
<b>PROFIBUS connection</b>	
Connector type A, B	DB9 Green wire, Red wire
<b>Additional features (only for software version 2.x or higher)</b>	
Failsafe options	<ul style="list-style-type: none"> <li>- All outputs off</li> <li>- All outputs on</li> <li>- Keep last value</li> </ul>

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Automatic input patterns	- Custom failsafe value On, off, blink, up counter, down counter, zig zag																								
<b>PROFIBUS cable specifications</b>																									
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																								
Wire type Number of devices	Stranded or solid core Maximum 31 devices per channel (busloads)																								
<b>Dipswitches</b>																									
<table border="0"> <tr> <td><u>NW0</u></td> <td><u>NW1</u></td> <td><u>PROFIBUS Network</u></td> </tr> <tr> <td>LEFT</td> <td>LEFT</td> <td>1</td> </tr> <tr> <td>RIGHT</td> <td>LEFT</td> <td>2</td> </tr> <tr> <td>LEFT</td> <td>RIGHT</td> <td>3</td> </tr> <tr> <td>RIGHT</td> <td>RIGHT</td> <td>4</td> </tr> <tr> <td colspan="2"><u>NU</u></td> <td><u>Not Used</u></td> </tr> <tr> <td colspan="2"><u>H/S</u></td> <td><u>Settings</u></td> </tr> <tr> <td colspan="2">LEFT / RIGHT</td> <td>Hardware / Software</td> </tr> </table>	<u>NW0</u>	<u>NW1</u>	<u>PROFIBUS Network</u>	LEFT	LEFT	1	RIGHT	LEFT	2	LEFT	RIGHT	3	RIGHT	RIGHT	4	<u>NU</u>		<u>Not Used</u>	<u>H/S</u>		<u>Settings</u>	LEFT / RIGHT		Hardware / Software	
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<b>LEDs</b>																									
RDY (on) RDY (flashing)	Module is ready for operation Connecting or updating																								
RUN (on)	Internal firmware is OK																								
SF (on)	System Failure: diagnostics or configuration mismatch																								
BF (on)	Bus Failure: not in Data Exchange with master																								
<b>Others</b>																									
Head Station firmware Ident Number GSD filename Operating temperature Weight Dimensions (L x W x H)	At least version 1.272 696F PROC696F.gsd (see <a href="http://www.procentec.com/downloads">www.procentec.com/downloads</a> ) 0 .. 60 °C 120 g 115 x 100 x 25 (without backplane)																								
<b>PROCENTEC</b> Turfschipper 41 2292 JC WATERINGEN (NL)	<b>Tel.: +31-174-671800</b> <b>Fax: +31-174-671801</b> <b>Email: info@procentec.com</b>																								