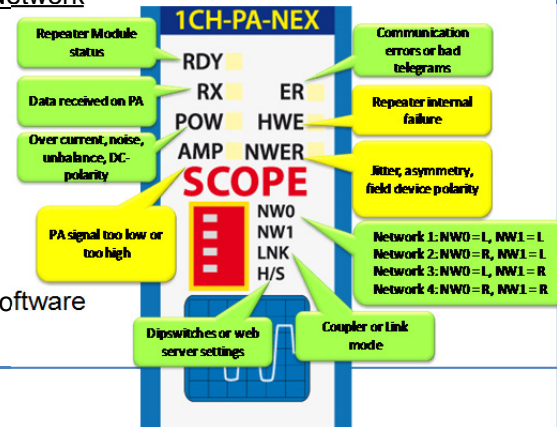


Technical Data - PA Module (101-201610)

Technical Data - PA Module (101-201610)	
Backplane	
PROFIBUS networks Modules Power supply for the module Current consumption Compatible backplane units	4 (set by dipswitches or web server) Link mode: 9 modules (in the first 10 slots) Coupler mode: 9 modules (in the first 10 slots) Monitoring mode: 4 modules (in the first 10 slots) Provided through the backplane ± 350 mA (555 mA max) 101-200011, 101-200012, 101-200023, 101-200024, 101-200027
PROFIBUS PA power specifications	
Trunk voltage Trunk current Current consumption Number of devices Baudrate	10 .. 27 V (customizable and Non-Ex) 500 mA 10 mA (in all modes) 32 (PROFIBUS PA specifications) 31.25 kbps PA signal
PROFIBUS PA cable specifications	
Cable length Wire diameter Wire type Termination	Max. 1900 m cable length (PROFIBUS PA specifications) < 2.5 mm ² Stranded or solid core Automatic (ON in Link and Coupler mode)
Connector specifications	
<u>2 Removable PA screw terminals</u> PA-, PA+ SH I <u>Removable power connector</u> -, + SH	(1-on-1) Wire colors are undefined Direct grounding Indirect grounding 11 .. 28 V (Max. 600 mA) Direct grounding
PROFIBUS DP specifications	
Transmission speed Transmission speed detection PROFIBUS busparameters Address	9.6 kbps .. 12 Mbps (including 45.45 kbps) Auto detect (< 10 s detection and 50 s lost time) No adjustments required in Link mode NO bus address required (Link has address 1 on PA)

Technical Data - PA Module (101-201610)	
Supported Protocols	DP-V0, DP- V1, DP-V2, FDL, MPI, FMS, PROFIsafe, PROFIdrive and any other FDL based protocol
Oscilloscope specifications	
AC PA voltage DC PA voltage DC PA current:	4 MS/s, resolution 7.5 mV, range -0.95..0.95 V 1 kS/s, resolution 75 mV, range -38..+38 V 1 kS/s, resolution 1 mA, range 0..1024 mA
Dipswitches	
<u>NW0</u> <u>NW1</u> LEFT LEFT RIGHT LEFT LEFT RIGHT RIGHT RIGHT <u>LNK</u> LEFT / RIGHT <u>H/S</u> LEFT / RIGHT	<p>PROFIBUS Network</p> <p>1 2 3 4</p> <p>Link mode OFF / ON</p> <p>Settings Hardware / Software</p> 
LEDs	
RDY RX HWE ER AMP POW NWER	<p>Module is ready for operation (ON) Receiving PA telegrams (blinking) Internal repeater error (contact PROCENDEC) No or bad telegrams on PA detected PA signal too low or too high Over current, noise, unbalance, DC-polarity Jitter, asymmetry, field device polarity</p> <p><i>Alarm values can be changed through the web server.</i></p>
Others	
Head Station firmware Operating temperature Weight MTBF	<p>At least version 1.279 0 .. 60 °C 133 g To be defined</p>
PROCENDEC Klopperman 16 2292 JD WATERINGEN (NL)	<p>Tel.: +31-174-671800 Fax: +31-174-671801 Email: info@procentec.com</p>