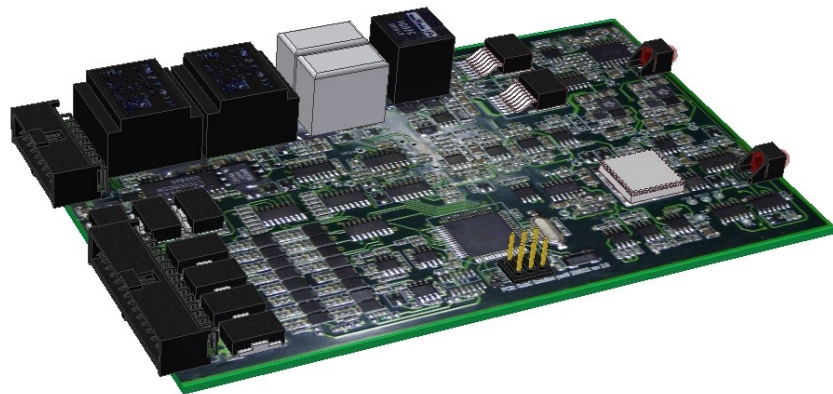


## SUBC MODEM CONTROLLER PN 300006 DATASHEET



### Key Features

#### General

Powerline Modem with integrated I/O controller for combined power and signal systems, using only one cable pair. Compact and rugged design, qualified for subsea control and monitoring systems.

Appropriately as both primary communication and powerline backup communication in SEM/SCM's and other subsea units with primary fiber or other communication.

### Technical Data Modem

<b>Line voltage</b>	Up to 440V AC, 50/60Hz
<b>Communication</b>	1200-9600 baud transparent serial communication
<b>Interface</b>	RS-485 (galvanic isolated) and RS-232
<b>Signal</b>	200kHz communication frequency (50kHz optional)
<b>Range</b>	15-30km (depending on cable type)

### Technical Data Controller

<b>Outputs</b>	14 switched 24V outputs for DCV control, sensor power switching etc. Can be extended by using several boards.
<b>Inputs</b>	16 4-20mA current loop inputs 3 inputs can be used for flow meter pulse counting
<b>Monitoring</b>	AC line voltage, internal DC voltages and temperature
<b>Control</b>	Modbus RTU for switch control, reading of inputs and housekeeping data.
<b>Valve profiling</b>	Valve profiling based on pressure and flow available for control of hydraulic functions

### Qualification

#### Qualification tests

- Operating temperature range -18 to +70°C
- ISO 13628-6 Q1/Q2/EMC qualified
- Field proven >10 years of subsea use