	Technical Bulletin	Document SKB 0039	Page 1 / 3
	Digital Interface : Profibus	Rev. date 30-Oct-06	Rev. B 02


Product: Power Generators based on C3 (after Sept. 2002)

Subject: Description of Profibus - Interface

Dressler Power Generators based on C3 controller equipped with Profibus interface comply to the following specification:

Bus Type	Profibus DP
Master / Slave	Slave
Data Rate	9.6 kbit/s to 12 Mbit/s
Address Setting	via Switches
Connector	9 Pin sub-D type female

PROFIBUS-DP and -PA systems require downloading special device data base (GSD) files for each device to be connected to the Profibus Master. This files provide details on software and hardware release states, data on bus timing and also device-specific status information.

	<h1>Technical Bulletin</h1>	Document SKB 0039	Page 2 / 3
	<h2>Digital Interface : Profibus</h2>	Rev. date 30-Oct-06	Rev. B 02

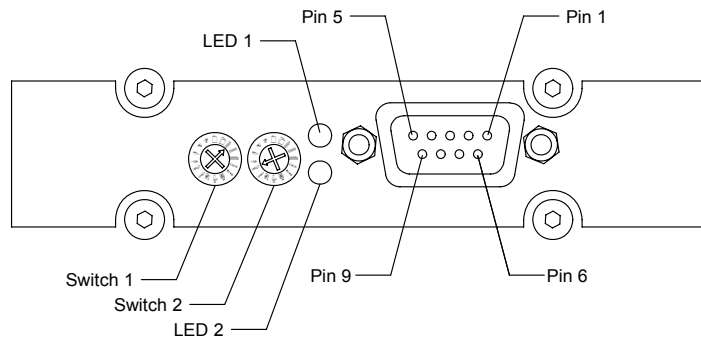



Figure 1: Profibus Connector Panel

Table 1: Profibus Port Pin Description:

Signal Pin	Name	Description
1	<i>N.C.</i>	Not connected
2	<i>N.C.</i>	Not connected
3	<i>B+</i>	Receive / transmit data: positiv
4	<i>N.C.</i>	Not connected
5	<i>DGND</i>	Data ground
6	<i>VP (+5V)</i>	Supply voltage: +5V
7	<i>N.C.</i>	Not connected
8	<i>A-</i>	Receive / transmit data: negativ
9	<i>N.C.</i>	Not connected

Table 2: Switch and LED Description:

Switch/ LED	Name	Description
Switch 1	<i>Address high</i>	Profibus-address Highbyte switch
Switch 2	<i>Address low</i>	Profibus-address Lowbyte switch
LED 1	<i>Busstate (red)</i>	<p>LED is off: indicates the profibus system is in state of "<i>cyclic data exchange</i>".</p> <p>LED is blinking: indicates the profibus mastersystem is in state "<i>Stop</i>" or "<i>Clear</i>".</p> <p>LED is lighting permanently: Indicates the profibus mastersystem is in state "<i>Off</i>" or "<i>no Bussystem is present</i>".</p>
LED 2	<i>Operating (green)</i>	LED is lighting permanently: indicates operating state of the profibus is " <i>ok</i> ".

	Technical Bulletin	Document SKB 0039	Page 3 / 3
	Digital Interface : Profibus	Rev. date 30-Oct-06	Rev. B 02

This document may contain information that is confidential and proprietary information of Advanced Energy Industries. The dissemination, distribution or copying of this document is strictly prohibited without the express written consent of Advanced Energy Industries GmbH. All technical information contained is subject to changes without prior notice. For recent updates please contact Customer Service.