The Galvanic Isolator 3945 is to be used as an interface between a RDCP 600, configured to output data in PDC-4 format, and an Aanderaa device with PDC-4 input. The input side and the output side are galvanic isolated from each other by use of optocouplers and an internal DC/DC converter. The DC/DC converter will convert the 24-48V DC input power to 12V DC output power that can be used to supply Aanderaa equipment connected to the output side with power.
**SPECIFICATIONS**

- **Input/Output Signals:** Aanderaa PDC-4
- **Operating Voltage:** 18-50V
- **Current Consumption:** 18mA @ 24V
- **Maximum Current Drain from 12V DC Out and PDC-4 Output:** 400mA *
- **Operating Temperature:** -40 to +50°C
- **Material Housing:** Aluminum 6061T6 anodized 20µ
- **Net Weight:** 350 grams
- **Packing:** Cardboard Box: 385 x 290 x 235mm
- **Gross Weight:** 1.1 kilograms

* A built-in DC/DC converter will supply equipment connected to the “PDC-4 Output” or the “12V DC Output” connector with limited power (12 VDC max. 400mA).

The “12V DC Output” connector can also be used as an input if extra power is needed for equipment connected to the PDC-4 Output. Input voltage should be in the range 12 – 16VDC.

**PIN CONFIGURATION**

Receptacle, exterior view; bushing = ○, pin = ●

- **PDC-4 Output**
  - 12V out 3 4 Not connected
  - Control voltage 2 5 PDC-4 signal
  - System ground 1 6 Not connected

- **-12VDC Output**
  - System ground 1 2 -12V out

- **PDC-4 Input**
  - Not used 4 5 Not used
  - Ground 3 6 PDC-4 input
  - CV input 9 10 Not used
  - Not used 2 7 Not used
  - Signal ground 1 8 24 to 48V out

- **24 to 48VDC Input**
  - +24 to 48V input 1 2 Ground

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Aanderaa Data Instruments AS
Sanddalsringen 5b, P.O. Box 103
Midtun, 5828 Bergen, Norway
Tel +47 55 60 48 00
Fax +47 55 60 48 01

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