

## | xtremeDB® PVG Valve Driver

Easily place a Danfoss® PVG valve on a CAN system with the newest xtremeDB and free up controller pins and avoid the extra expense of complicated individual CAN coils.

### xtremeDB® Advantages:

**Networking:** Will work with any J1939 controller, even if it doesn't have ratiometric outputs. Now any mobile controller can drive PVG!

**Reduced Connections:** A typical 8 section valve manifold could be controlled from the xtremeDB manifold without the use of IO from a separate controller. Only a CAN and Power connection is required.

**Troubleshooting:** The 20 on-board LED's make it much easier for service technicians to "see" the circuit and quickly identify the potential source of system faults.

**Installation:** Wiring the valve is as fast as plugging one end of a cable into a PVE and the other end into a port on the xtremeDB.

**Reliability:** Installation using the combination of Murrelektronik xtremeDB and MDC connection cables reduces the opportunity for mis-wired connections and environmental risks improving machine performance.

**Unique Node Addressing:** The xtremeDB module utilizes a unique node address plug allowing the nodes to be assigned without having to software configure Node IDs. Simplify field service.



## | FEATURES

- Will drive up to 8 proportional coils (PVEA, PVEH, PVES) or 6 on/off (PVEO)
- Any control system can be used to create ratiometric signals with a CAN message and xtremeDB
- Includes Ratiometric output **AND** an input pin for the error signal
- Standard CAN J1939 messaging
- 100v/m EMC immunity
- IP67 rated
- CE and RoHS Compliant
- 12 or 24V system
- -40 – 80°C

## | SPECIFICATIONS

Description	PVG Valve Driver
Article Number	DP-34044-7-000
Housing	Molded Plastic
Dimensions (l x W x h)	3.8" x 10.4" x 1.3"
Installation	0.2" x 0.75" through hole, M3 or #10
Connections Operating Power and Configuration Inputs/Outputs CAN In/Out	18-pole DT16-18SA Socket 8 x DT06-4S 2 x DT06-4S
Weight	1.5 lb
Operating Voltage	8-32V DC
Switching Current	(8) 3A, (8) 100mA
Communication Interface and Baud Rate	2 non-isolated J1939 ports (250kb and 500kb)
Total Outputs	16
Output Type	14 digital positive, 8 ratiometric
Input	8 Digital Positive/Negative (>8.0 V DC / <0.3V DC)
Output Protection	Short Circuit and Overcurrent, Integrated fly-back diode
Operating Temperature	-40 - 80°C
Storage Temperature	-45 - 85°C
Protection	IP67

## xtremeDB®

### | ACTIVE MODULES

Description	Input Block 16 Inputs, up to 8 Analog including 4-20 mA	Input/Output Block 8 Digital/PWM Outputs and 8 Digital/Analog Inputs	Output Block w/ PWM 14 PWM with 2 10A Outputs	Output Block w/ PWM(i) 14 PWM with Current Compensation and 2 10A Outputs	Output Block Discrete 16 Digital Outputs 52A Total
Article Number	DP-34044-2	DP-34044-1	DP-34044-3	DP-34044-4	DP-34044-5

## MURRELEKTRONIK MDC

### | PLUG to PLUG



Poles	Connector	Cable Type	Art. Number
4	MDC06-4S to MDC06-4S	Black PUR	7072-77091-569xxxx
	MDC06-4S to MDC06-4S CAN Connection Cable	Violet PUR	7072-77095-804xxxx

xxxx = Length in Meters (m)

0150 = 1.5m

0300 = 3m

0500 = 5m

1000 = 10m