xtremeDBm

DATA PANEL
A Murrelektronik Company

PWR STAT CAN CAN 1 2 3 4 DP-40044-02-000

1.0 in.

1.8 in.

The xtremeDBm is **48%** smaller than the original xtremeDB—and **65%** lighter!

JUST SMALLER

xtremeDB is the ultimate solution for both on- and off-highway system applications for signal and power distribution needs. This family of CANBUS and PLC blocks takes advantage of DEUTSCH connections to achieve IP67/IP69K ratings, and both pin-level and LED diagnostics make for improved field serviceability. Now, the originators of xtremeDB, building on customer feedback, have made improvements to the original and come out with a new series: The xtremeDBm, capable of everything you love about the xtremeDB, *just smaller*.

| KEY FEATURES

- **UP TO 26 AMPS**
- **CUSTOMIZABLE LABELS**
- **MULTI-COLORED DIAGNOSTIC LEDs**
- **MULTIPLE INPUT TYPES: DIGITAL, ANALOG**
- **MULTIPLE OUTPUT TYPES: DIGITAL, PWM**

BECAUSE IT'S CANBUS

- **Broadcasts CAN-level information such as short circuit and overcurrent faults**
- **Reduces I/O wiring between machine areas to just 4 wires—no bulky harnesses**
- **Compatible with any J1939 CANBUS system**
- **Main controller functionality**

DON'T WASTE YOUR MONEY ON UNNECESSARY WIRING!

BECAUSE IT'S ROBUST

- **DEUTSCH connectors for superior sealing and vibration resistance**
- **Composite housing for excellent anti-corrosion performance**
- **Fully potted for environmental and vibration survivability**
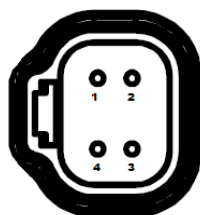- **Durable board-level components and circuits**

DON'T WASTE YOUR MONEY ON A CABINET!

BECAUSE IT'S SMALLER

- **Fits on a 2" structural component**
- **8 channels per block for granular and flexible distribution of I/O**
    - Shorter cables
    - Pair with a basic wiring harness to build a more complex, modular system
- **Design a more efficient system**
    - Fewer unused pins
    - Add pins of I/O

DON'T WASTE YOUR MONEY ON UNUSED I/O!

xtreme**DBm**

Description	Input Block	Input/Output Block	Output Block w/ PWM/PWM(i)	Digital Output Block	6 Port CAN Splitter
Article Number	DP-40044-02-000	DP-40044-01-000	DP-40044-03-000	DP-40044-05-000	DP-40044-00-000
# of Ports	6 (2 CAN, 4 I/O)				6
# of CAN Networks	1 (2 ports provided for system expansion via daisy chain configuration)				N/A
Total # of I/O	8 (2 I/O per port)				
Total # of Inputs	8	4			
# of Configurable Inputs	4 Digital, 4 Analog/Digital	2 Digital, 2 Analog/Digital	N/A		
Input A Configurations	Digital Positive, Digital Ground				
Input B Configurations	0-5V DC, 0-10V DC, 0-32V DC, 4-20ma, Digital Ground, Digital Positive				
Analog Resolution	12 bit, 1% Full Scale Accuracy				
Input Diagnostics	Short Circuit				
Total # of Outputs	N/A	4	8	8	
Output Configurations		Digital (+), PWM, PWM(i)	Digital (+), PWM, PWM(i)	Digital (+)	
PWM Frequency		40-1000Hz		N/A	
Output Diagnostics		Short Circuit and Overcurrent			
Max. Current/Output	1A	4A	4A x 8		
Max. Output Current/ Module	2A	26A			
Node ID	Hardware-settable for each block, up to 16 per CAN network				
Baud Rate	250 Kbits/s, 500 Kbits/s - User-settable				
LEDs	PWR, STAT, I/O - with fault blink codes				PWR (DP-40044-00-001 doesn't include LEDs)

| Inputs
Pin 1 = Power
Pin 2 = Signal B
Pin 3 = Ground A
Pin 4 = Signal A

| Outputs
Pin 1 = Ground B
Pin 2 = Signal B
Pin 3 = Ground B
Pin 4 = Signal A

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