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xtremeDB
POWERFUL & RELIABLE

DP-34044 SERIES



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MODULAR WIRING SYSTEM

The heart of the DATA PANEL installation system are fully potted, IP68/IP69k rated CAN IO modules with proven DT connection technology. The modules are developed for tough use on mobile machines or special vehicles and withstand the lowest temperatures, vibrations, many operating fluids, permanent high pressure cleaning and UV radiation. xtremeDB creates space at the controller, replaces terminal boxes and helps to standardize cable harnesses. The powerful CAN IO modules are available with SAE J1939, CANopen or CAN Layer 2-B fieldbus protocols.

xtremeDB offers eight DT ports for input or output signals, and can be individually configured. Sensor signals can be read in by digital inputs, analog inputs, or via frequency / counter inputs. Also an encoder can be connected. For valves and other actuators, digital outputs, pulse width modulated current controlled PWMi outputs and Danfoss® PVG32 compatible, ratiometric PVE outputs are available. Mobile machines and special vehicles benefit from the modularly designed, pluggable expansion level and a standardized wiring harness that you get with xtremeDB. Option management, customer requirements and future functionalities can be mapped much more easily.

VARIANTS

J1939

DP-34044-1-000	8 IN / 8 OUT
DP-34044-2-000	16 IN
DP-34044-3-000	2 DO 10A / 14 PWMi
DP-34044-5-000	2 DO 10A / 14 DO 4A
DP-34044-7-000	8 PVE (PVG32)

CANopen

DP-34044-1-200	8 IN / 8 OUT
DP-34044-2-200	16 IN
DP-34044-3-200	2 DO 10A / 14 PWMi
DP-34044-5-200	2 DO 10A / 14 DO 4A



FEATURES

Characteristic	Value	Characteristic	Value
Dimensions L x W x H	265 x 97 x 34 mm	Digital Inputs	PNP / NPN configurable
Weight	680 g	Frequency Inputs	10 ... 3.000 Hz
Housing Material	Polyamid (PA), reinforced	Analog Inputs	0,1 ... 20 mA / 0 ... 32 V / 12 bit resolution
Contact	Solid, nickel plated	Digital Outputs	4 A / 10 A
Connections	Hybrid IO AT / DT-4P Output Power AT / DT16-18PA	PWM Outputs	4 A / max. 1.100 Hz
Operating Voltage	8 ... 32 V DC	PWMi Outputs	4 A / max. 700 Hz
Operating current per potential / total current	max. 13 A / max. 52 A	PVE Outputs (PVG32)	PVEA, PVEH, PVES, PVEO, Analog output 0 ... 10 V
Module Diagnostics	Low voltage / overvoltage / overtemperature / overload / short circuit	Protection Class	IP67 / IP69K with MDC connection cables
CAN Protocols	SAE J1939 / CANopen / CAN Layer 2.0B	Ambient Temperature	-40°C ... +80°C
Baud Rate	250 / 500 kbit/s	EMC	EN 61000-6 / ISO 13766-2 / ECE R10 (E8) approval