

Data Sheet

DP-34044-5-200

xtremeDB

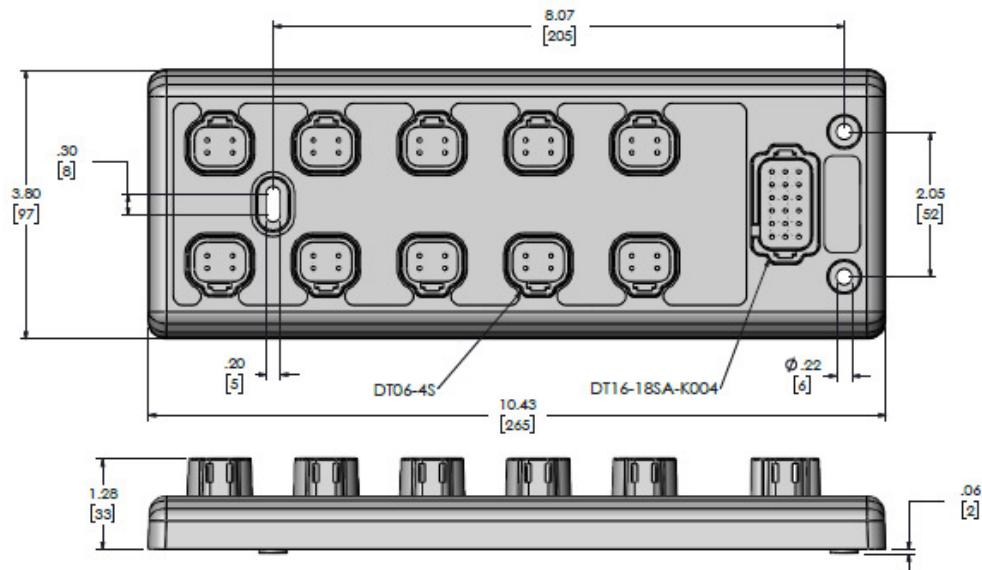
xDB16-DO

Molded Plastic

**Output Module
Digital**

CANOpen

8...32 Vdc



Technical Data

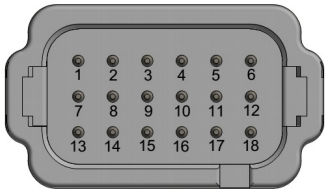
Housing	Molded plastic
Dimensions (l x w x h)	3.80 x 10.43 x 1.34 in (97 x 265 x 34 mm)
Weight	1.5 lbs (0.68 kg)
Installation (mounting hardware not included)	Screw: 3 x #10 (3 x M5) Torque: 21 in-lbs (2.4 Nm) max.
Mating Connectors and Accessories Operating Voltage, Ground, and Configuration I/O-Ports	18 Pole Plug DT16-18SA or equivalent 4 Pole Plug 10 x DT06-4S or equivalent 0462-201-20141 0462-201-16141 114017-ZX
Cable Length	98.4 ft (30 m) max.
Operating Voltage	8...32 V DC protected against reverse polarity
Operating Current	13 A continuous per pin max. 52 A node current max.
Communication Interface and Baud Rate	2 non-isolated CANOpen 250kb (default) & 500kb
Node ID	Node ID = 1 Offset 0...15 (J0: CNFGx-A/B)
Total Outputs	16
Outputs Diagnostics	Short circuit and Overcurrent
Operating Temperature	-40...80 °C
Storage Temperature	-40...85 °C
Protection Class	IP67: Connector seal plugs required for unused pins. Sealing plugs required for unused ports IP68/IP69K: Using MDC xtreme cables.

					Date	Name	Data Sheet xtremeDB Output Module CANOpen xDB16-DO		
				Originator	05.13.20	TMc			
				Approved	05.13.20	FSa			
				DATA PANEL					
				A Murrelektronik Company			Art. No.: DP-34044-5-200		Sheet
Rev.	Description	Date	Name						1 of 4
a	DCN F257	05.13.20	FSa	DP-34044-5-200_db_e_a.docx			The trademark DEUTSCH is owned by the TE Connectivity Ltd. family of companies.		

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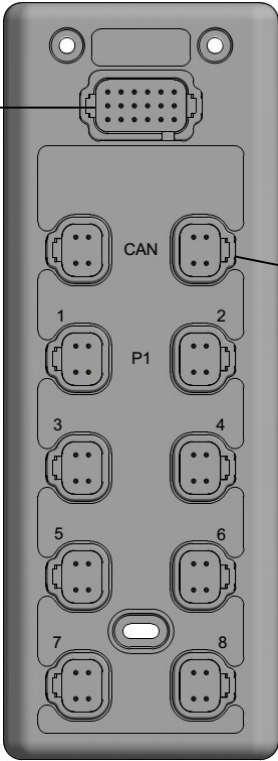
Characteristics of the output ports		
Outputs	Digital Output	
	Output voltage	8...32 Vdc
	Switching current	4 Amps
		10 Amps (Port1A Pin-4)
		10 Amps (Port3A Pin-4)
Operating States (LEDs)	Color	Status
PWR	Blue	Module and Ports BATTERY Pare connected
COM & STAT	Green	Module and Communication status
FLT	Red	Fault Status
P1	Blue	Bus Power (Port Output Power)
OUT	Yellow	Left LED – Output A Right LED – Output B

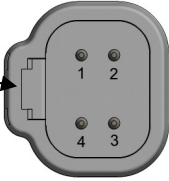
Connector Interface



Connections J0:

1. BAUD1-A
2. CNFG1-A
3. CNFG2-A
4. CNFG3-A
5. CNFG4-A
6. BATTERY P1
7. BAUD1-B
8. CNFG1-B
9. CNFG2-B
10. CNFG3-B
11. CNFG4-B
12. GROUND B
13. BATTERY P1
14. BATTERY P1
15. BATTERY P1
16. GROUND B
17. GROUND B
18. GROUND B





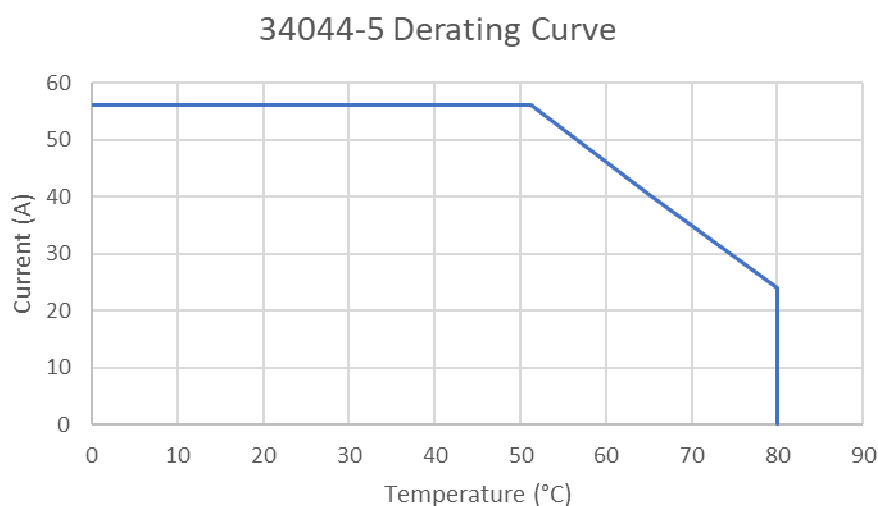
Connections:
CAN Port 1 & 2
 Pin 1 = POWER
 Pin 2 = CAN HIGH
 Pin 3 = GROUND A
 Pin 4 = CAN LOW

OUTPUT Ports 1 to 8
 Pin 1 = GROUND B
 Pin 2 = OUTPUT B
 Pin 3 = GROUND B
 Pin 4 = OUTPUT A

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Test Standards and Regulation	
Climatic test	Cold Temperature to IEC 60068-2-1:2007, test Ad Dry Heat to IEC 60068-2-2:2007, test Bb Temperature Durability to IEC 60068-2-14:2000-08, test Nb Temperature Shock to IEC 60068-2-14:2000-08, test Na Humidity Soak to IEC 60068-2-78:2001, test Cab Humidity Cycle to IEC 60068-2-30:2005, test Db
Mechanical test	Swept Sine Vibration to IEC 60068-2-6:2007, test Fc Random Vibration to IEC 60068-2-64:2008, test Fh Resonance Vibration to IEC 60068-2-6:2007, Section 8.1 Mechanical Shock to EN 60068-2-27:2008, test Ea Mechanical Bump to EN 60068-2-27:2008, test Ec IP protection to EN 60529:2000-09, test IP67, IP68, IP69K Chemical Loads to ISO 16750-5:2010 Part 5: AA, BA, BC, BD, BE, CC, DB, DD
Electrical test	Electrical Tests to ISO 16750-2:2012 EMC Immunity to ISO 13766-1:2018, ISO 13766-2:2018, ISO 13309:2010 EMC Emissions to ISO 13766-1:2018, ISO 13766-2:2018, ISO 13309:2010 Conducted Transients to ISO 13766-1:2018, ISO 13766-2:2018, ISO7637-2:2011, Annex A

Derating Curve Max Total Current



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Article Numbers	
DP-34044-5-000	J1939 Slave Module
DP-34044-5-100	DPLLogic enabled Master, user programmable
DP-34044-5-200	CANOpen Slave module



DPLLogic™

User function / logic generating and programming tool for creating vehicle personality.
Similar to Ladder Logic with user enhanced features for troubleshooting and diagnostics.



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