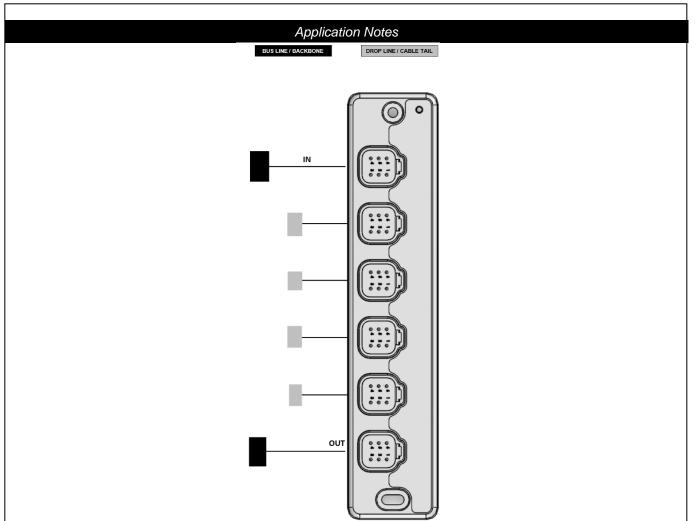


Technical Data						
Housing	Molded glass filled nylon					
Dimensions (I x w x h)	2.000 x 9.375 x 1.34 in (51 x 239 x 34 mm)					
Weight	0.628 lbs (0.285 kg)					
Installation (mounting hardware not included)	Screw: 2 x #10 (2 x M5) Torque: 21 in-lbs (2.4 Nm) max.					
Mating Connectors and Accessories	6 Pole Plug 10 x DT06-6S or equivalent					
DEUTSCH® size 16 Socket	0462-201-16141 (16 – 20 AWG) 1062-16-0122 (14 – 18 AWG)					
DEUTSCH® Seal Plug	114017					
Total CAN Splitters	6					
Operating Voltage (Power)	832 V DC					
Switching Current	13 A per circuit max.					
Total Current (Power)	26 A max.					
Operating Temperature	-4085 °C					
Storage Temperature	-4085 °C					
Protection Class	IP67: Connector seal plugs required for unused pins. Sealing plugs required for unused ports IP68/IP69K: Using MDC xtreme cables.					

Ope	Operating States (LEDs)		Color		Stat	us		
PWR			Blue Mod		Мос	lule and Ports power are connected		
Rev.	Description	Date	Name		Date	Name	Data Sheet	
				Originator Approved	03.11.25	WA	xtremeDBm CAN Splitter	
				Approved PANEL A Murrelektronik Company			xDBm06-CAN	
							Art. No.: DP-40044-08-000	Sheet 1 of 4
а	DCN G319	03.11.25	MH	DP-40044-08-000_db_e_a.docx			The trademark DEUTSCH is owned by the TE Connectivity Ltd. family of companies.	

	Connector Interfac	се
		6 1
$\frac{123456}{J1}$	▶-, 5 6	<u>Connections:</u> Ports J1 to J6 Pin 1 = POWER/GND Pin 2 = CAN High/Passthrough Pin 3 = POWER/GND Pin 4 = Can Low/Passthrough Pin 5 = Pass Through Pin 6 = Pass Through
		Ports are connected internally in series with each other to conform to trunk/drop system.
		Power LED Pin 1 to Pin 3 with full bridge rectifier to light up in either polarity.
DP-40044-08-000	Article Numbers	Power LED (Pin 1 to Pin 3)
	Z	î []] ▲ C E 比 ⑳ Ž
Rev. Description Date Name	Date Name	Data Sheet
	Originator 03.11.25 WA Approved	xtremeDBm CAN Splitter
	DATA PANEL	xDBm06-CAN
	A Murrelektronik Company	Art. No.: DP-40044-08-000 2 of 4
a DCN G319 03.11.25 MH	DP-40044-08-000_db_e_a.docx T	The trademark DEUTSCH is owned by the TE Connectivity Ltd. family of companies.



Sample Topology of Drop Lines:

The following table shows the maximum drop line lengths and the maximum length of the CAN bus line. The table specifies the maximum drop line lengths and the maximum length of the CAN bus line (drop lines not included) using a splitter.

Baud Rate	Drop Line Length	Total Length
1 Mbit/s	< 0.3 m	< 25 m
500 kbit/s	< 1.2 m	< 66 m
250 Kbit/s	< 2.4 m	< 120 m
125 Kbit/s	< 4.8 m	< 310 m

SIGNAL REFLECTIONS CAUSED BY DROP LINES!

Drop lines can give rise to signal reflections in CAN networks.

When using splitters in CAN networks, the possible drop line lengths are reduced further.

- > Drop lines should vary in length to reduce the rise of signal reflections.
- > Terminate the bus line at both ends with a 120 Ω resistor.
- > Do not terminate drop lines with a resistor under any circumstances!

Rev.	Description	Date	Name		Date	Name	Data Sheet	
				Originator				
				Approved			xtremeDBm CAN Splitter	
				DATA PANEL			xDBm06-CAN	
								Sheet
				A Murrelektronik Company		Company	Art. No.: DP-40044-08-000	3 of 4
а	DCN G319	03.11.25	MH	DP-400	044-08-000_db_6	e_a.docx	The trademark DEUTSCH is owned by the TE Connectivity Ltd. family of companies.	

Warranty and Liability Claims

Data Panel Corporation warrants the original purchaser of its products that the products are free of defects in materials and workmanship, when operated under normal conditions and in accordance with accepted industry recommended practices. The standard warranty period is 12 months from the date the product is first put into service but not to exceed 18 months from the date of shipment.

Products must be returned, freight prepaid, to Data Panel for inspection. A Return Material Authorization (RMA) number must be obtained from that location before shipment is made, and clearly indicated on the shipping package. Product must be received within 3 months of the claim as per the requirements of the Returned Goods Process, which is considered to be part of the warranty. Data Panel reserves the right to repair or replace any product found to be under warranty. This warranty policy does not provide for a refund or credit for defective material.

This warranty is null and void if in the judgment of Data Panel, the part had been used in the wrong application, damaged, improperly maintained or repaired, subjected to inappropriate environmental and operating conditions, repaired by a non-approved party without prior authorization, not used in accordance with the operational and service recommendations, or repaired with other then approved parts.

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Rev.	Description	Date	Name		Date	Name	Data Sheet	
				Originator	03.11.25	WA	Dula Chiot	
				Approved			xtremeDBm CAN Splitter	
							xDBm06-CAN	
				DATA PANEL				Sheet
				A Murrelektronik Com		Company	Art. No.: DP-40044-08-000	4 of 4
а	DCN G319	03.11.25	MH	DP-400	44-08-000_db_e	e_a.docx	The trademark DEUTSCH is owned by the TE Connectivity Ltd. family of companies.	