

PN: 99-0160



Description

J1939, the most common network protocol used in heavy duty vehicle applications, was originally specified for 250kbaud communication among vehicle components. More recently, requirements to double network speed and move from 250 kbps to 500 kbps have been adopted. This device allows you to send and receive communications between the 250 kbps bus and the 500 kbps bus.

Specifications

Unit Connections

Pin 1	+Battery
Pin 2	Ground
Pin 3	CAN H (250K bus)
Pin 4	CAN L (250K bus)
Pin 5	CAN H (500K bus)
Pin 6	CAN L (500K bus)

Electrical Requirements

Parameter	Min	Nominal	Max	Notes
Functional Battery Voltage	8VDC	-	32VDC	Product has been designed for both 12VDC and 24VDC systems, nominal voltage not applicable
Non-Functional Battery Voltage	-	-	36VDC	At 36VDC this product may be damaged
System Standby Current	-	-	25.7mA 14.4mA	Measured current with no com (Red LEDs off) 12.5VDC --> 25.7mA and 24.5VDC --> 14.4mA

Environmental Requirements

Parameter	Min	Nominal	Max	Notes
Storage/Operating Temperature	-40°C	-	70C	Maximum enclosure temperature
Storage/Operating Humidity	0%	-	100%	Including Condensing
Ingress Protection	-	-	IP67	Protected Against Immersion up to 1m for 1 Hour

Product Dimensions

