

Gateway – NMEA2000/J1939 CANbus

Part#: 1121416

Rev. May 2016

NMEA2000® Data Translated to J1939 CANbus

Type	PGN No.	Parameters
NMEA2000® PGNs	PGN 129025	Latitude
		Longitude
	PGN 129026	Course Over Ground
		Speed Over Ground

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Type	PGN No.	PGN Name
PGNs	PGN	65267
	PGN	65256
SPNs	584	Latitude
	585	Longitude
	165	Compass Bearing
	517	Navigation-Based Vehicle Speed

Certifications

Parameter	Comment
NMEA2000®	Level B
Maritime Nav and RadioComm Equipment	IEC60945
CE and FCC	Electromagnetic Compatibility

Electrical and Mechanical

Parameter	Value	Comment
Operating Voltage	9-16 Volts	DC Voltage
Power Consumption	120 mA	Average Operating
Load Equivalence Number	3	LEN
Reverse Battery Protection	Yes	Indefinitely
Load Dump Protection	Yes	SAE J1113
Size	96 x 84 x 35 mm	L x H x D
Weight	120	gram

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Environmental

Parameter	Value
IEC 60954 Classification	Protected
Degree of Protection	IP40
Operating Temperature	-25 – 50 C
Storage Temperature	-40 – 70 C
Relative Humidity	93%RH @ 40 C per IEC 60945-8.2
Vibration	2 – 13.2 Hz @ +/-1 mm, 13.2 – 100 Hz @ 7m/s ² per IEC 60945-8.7
Electromagnetic Emission	Conducted and Radiated Emission per IEC 60945-9
Electromagnetic Immunity	Conducted, Radiated, Supply and ESD per IEC 60945-10
Safety Precautions	Dangerous Voltage, Electromagnetic Radio Frequency per IEC 60945-12

Note!

Data valid at revision date. Auto-Maskin reserves the right to make improvements and changes of the specification at any time.

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