

Actisense®

QNB-1

NMEA 2000® Quick Network Block



Fault-free, NMEA 2000® backbone connections

The QNB-1 and QNB-1-PMW provide alternatives to multiple connectors, reducing the cost of an NMEA 2000 cable installation. Perfectly suited to areas of high instrument density, as six drops can be connected.

Feature

Advantage

Benefit

- 6-drop NMEA 2000 barrier strip connection block
- Easy access barrier strip screw terminal connectors
- 6 optional M12 Micro connector version (QNB-1-PMW)

- ✓ Approved solution that replaces multiple T-pieces in high density locations
- ✓ Allows connection of different CAN Bus devices with proprietary connectors
- ✓ Pre fitted PMW connectors allow easy plug and play connections

- ✓ Saves cost and space providing an all-in-one solution
- ✓ Avoid expensive (SeaTalkNG, SimNet) adapter cables, saving installation cost
- ✓ Allows quick and easy installation with device Micro connectors

- Versatile fused backbone power feed
- Split power feed to each half of backbone

- ✓ Provides an easy, centralised method for powering an NMEA 2000 network
- ✓ Helps increase workable backbone length by doubling the available current
- ✓ As each half is separately fused, each bank (and its devices) can be easily isolated

- ✓ No separate power-T required and correctly rated fuses provides peace of mind installation
- ✓ Can increase the number of devices that can be supported without multiple power taps*
- ✓ If one fuse blows, the other bank remains protected and operational

- Accommodates different backbone types

- ✓ Allows use of Mini, Mid and Micro bulk cables on the backbone

- ✓ Cost effective flexible solution for large installations using bulk cable

- 5 Diagnostic LEDs

- ✓ Clear feedback on power and fuse operational status and NMEA 2000 communications

- ✓ Allows a user to quickly diagnose a network power issue and NMEA 2000 communications

- Replaceable ATO fuses

- ✓ Default 4A fuses for Micro/Mid cable use can be swapped with provided 8A fuses for Mini Cable use

- ✓ Easy installation of Mini, Mid or Micro bulk cable for a cost effective, flexible solution

- Durable waterproof case

- ✓ IP65 rated tough polycarbonate enclosure

- ✓ Durable waterproof case

- High quality rising-clamp screw terminal connectors

- ✓ Easy to install and maintain, with no special tools

- ✓ Cost effective and reliable

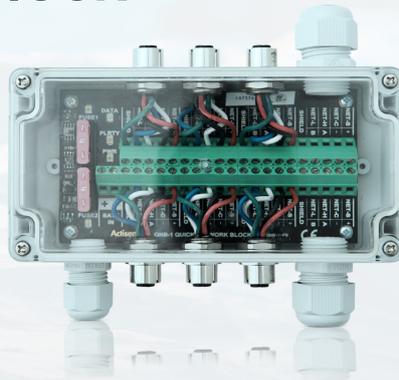
*Voltage drops must be still be considered for networks with a high number of devices. The QNB-1 is not a guaranteed solution to voltage drop issues on your network.

QNB-1

GEEK MODE ON



Quick Network Block



Technical Specifications

Electrical	
Supply voltage	10-35V DC
Supply current, Supply voltage 12/24v (no load)	10mA
Micro cable fused protection	8A (2 x 4A ATO blade fuses)
Mini cable fused protection	16A
Power Polarity LED	Red = Incorrect, Green = Correct
NMEA 2000 Port - In/Out	
QNB-1-PMW drop connections	M12 Female (A-Coded) connector
QNB-1-GLA NMEA 2000 connector	5-way Screw Terminal, 5.08mm Screw Pitch
Data LED	Flashes when data is detected on network
Mechanical	
Housing Material	Polycarbonate - Light Grey
Lid Material	Polycarbonate - Clear
Gasket Material	EPDM Synthetic Rubber
M16 gland clamping range	4.5 - 10 mm
M20 gland clamping range	6 - 12 mm
Dimensions	160mm (L) x 132.4mm (W) x 80mm (H)
Weight PMW variant	440g
Weight GLA variant	360g
Approvals & Certifications	
Operating Temperature	-20 - +55 °C
Storage Temperature	-30 - +70 °C
Humidity	93% @ 40°C
IP Rating	IP66
Guarantee	3 Years
NMEA 2000 Approved	

All specifications are taken with reference to an ambient temperature of 25°C unless otherwise specified. All specifications correct at time of print.

Part Number: A-QNB-1
A-QNB-1-PMW