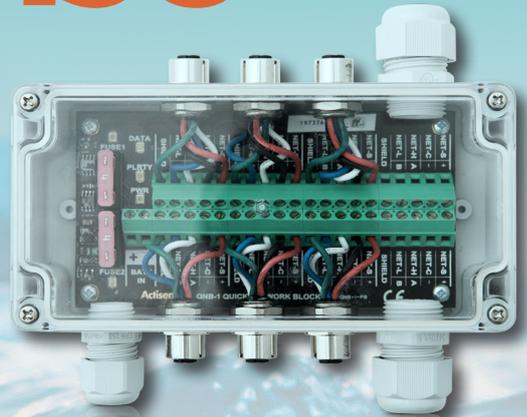


# Actisense®

## 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

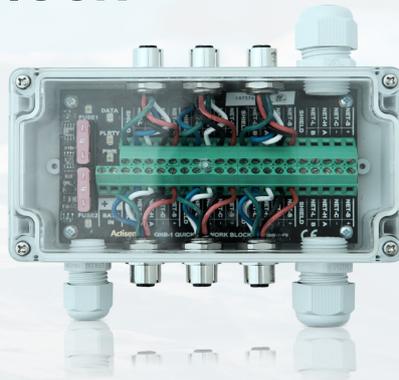
\*Voltage drops must be still be considered for networks with a high number of devices. The QNB-1 is not a guaranteed solution to voltage drop issues on your network.

## 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**