# Actisense®
## Award Winning NMEA Specialists

# A2K-FFC
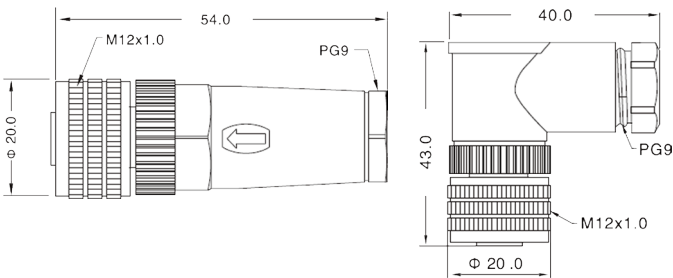## Micro Field Fit Connector

## Ideal for network customisation...

Actisense Field Fit Connectors allow for secure, reliable connections in any NMEA 2000® installation using Micro cable. The glands inside the connectors tighten around the cable as they are screwed together to maintain watertight integrity.

The Field Fit Connectors enable cables to be cut to any length resulting in less excess and the right angle option means cables can be fitted at a number of angles to allow ease of installation from the desired entry point.
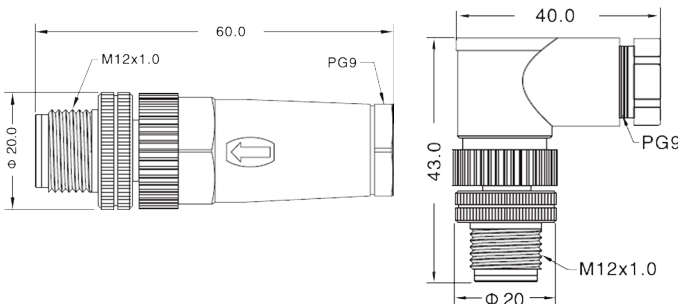
Male and female variants, as well as right angle options for each, provide full flexibility and make it easy to install cable around tight bends, meaning your network can now be fully customised.

## Product Dimensions.

### Female



### Male



| Electrical | |
|---|---|
| Rated Current | 4A |
| Rated Voltage | 60V |
| **Mechanical** | |
| Connector Contact | Brass, gold plated |
| Wire Gauge/Size | 22 AWG/0.34mm |
| Contact Resistance | ≤ 5 mΩ |
| Contact Polarisation | Standard M12 -"A"- polarisation |
| Mating Thread | M12 |
| Connector Screw | Stainless Steel |
| Sealing Gland Size | PG9/6-8mm Cable |
| O-Ring Seal | Rubber, black |
| Connector Insert | TPU |
| Connector Body | PA+GF, black |
| Insulation Resistance | ≥ 100 MΩ |
| Weight - Straight male | 21.1g |
| Weight - Straight female | 26.5g |
| Weight - Right-angled male | 22.3g |
| Weight - Right-angled female | 27.8g |
| **Approvals and Certifications** | |
| Protection | IP67 (in locked condition) |
| Ambient Temperature | -25°C to +90°C |
| NMEA 2000 Certification Pending | |
| RoHS Compliant | |
| IEC 61076-2-101 Compliant | |

## Connections

| Wire Colour | Connector Pins | Name |
|---|---|---|
| Green/Bare | Pin 1 | Shield |
| Red | Pin 2 | NET-S |
| Black | Pin 3 | NET-C |
| White | Pin 4 | NET-H |
| Blue | Pin 5 | NET-L |



FEMALE (Face view)
Pin 2 - NET-S    Pin 3 - NET-C
Pin 1 - Shield    Pin 4 - NET-H
Pin 5 - NET-L

MALE (Face view)
Pin 3 - NET-C    Pin 2 - NET-S
Pin 4 - NET-H    Pin 1 - Shield
Pin 5 - NET-L

## Actisense®

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