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Actisense[®]
NMEA 2000[®]

Micro Gender Changer Cable Assemblies

Technical Specifications

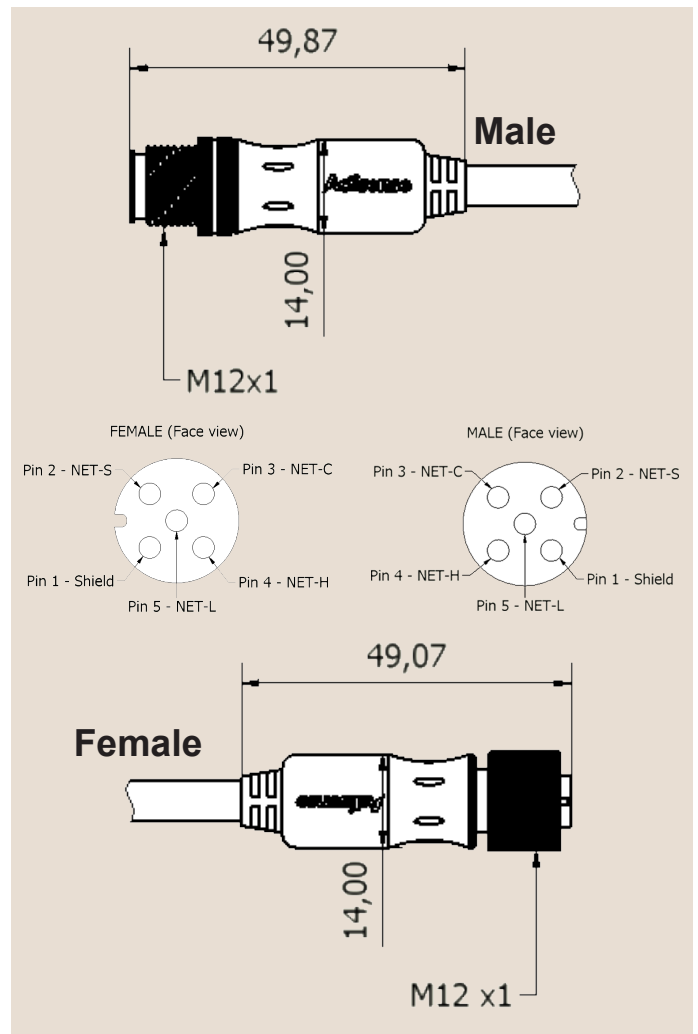
Electrical	
Rated Current	4A
Rated Voltage	125V
Mechanical	
Male Contact	Brass, gold plated
Female Contact	Phosphor bronze, gold plated
Contact Carrier	PBT, black
Contact Polarisation	Standard M12 -"A"- polarisation
Mating Thread	M12
Screw Cap	Brass, nickel plated
O-Ring Seal	Rubber, black
Housing	PVC, black
Power Pair	22 AWG (19 strand tinned copper)
Data Pair	24 AWG (19 strand tinned copper)
Drain	22 AWG (19 strand tinned copper)
Braid	37 AWG (tinned copper)
Jacket Material	0.8mm Nom. PVC, black
Jacket Outer Diameter	6.85mm ±0.254mm
Weight	50g
Length	0.25m
Approvals and Certifications	
Protection	IP67 (when mated)
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
NMEA 2000 Certified	
RoHS Compliant	
UL Certified (E137250), (UL1277)	



A2K-GCF-0M25



A2K-GCM-0M25



Connections

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

Part Number	Description
A2K-GCF-0M25	NMEA 2000 micro gender changer (female to female) 0.25 metre, UL certified cable
A2K-GCM-0M25	NMEA 2000 micro gender changer (male to male) 0.25 metre, UL certified cable