

www.actisense.com sales@actisense.com +44 (0)1202 746682



Quick Power Drop

Technical Specifications

Electrical Rated Current (QPD-1-PMW) Rated Current (QPD-1-GLA) Fuse Rating Rated Voltage Reverse Protection Forward Drop Supply Current And A Max each feed (when suitable fuses are fitted) 3 A each feed (fitted as standard) Rated Voltage Reverse Protection Forward Drop Supply Current A Max each feed (when suitable fuses are fitted) 3 A each feed (fitted as standard) Rated Voltage 32 V Reverse Protection 45 V Forward Drop 0.57 V each feed LEN <1 Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Mating Thread M12 O-Ring Seal Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed Reverse Power Indicator 1 x red LED				
Rated Current (QPD-1-PMW) Rated Current (QPD-1-GLA) Fuse Rating Rated Voltage Reverse Protection Forward Drop Supply Current LEN Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Mating Thread O-Ring Seal Housing Mechanical Housing Material Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator S A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 5 A Max each feed (when suitable fuses are fitted) 8 A each feed (fitted as standard) 8 A each feed (fitted as standard) 8 A each feed (fitted) 9 A Each feed (fi	Electrical			
Rated Current (QPD-1-GLA) Fuse Rating Rated Voltage Reverse Protection Forward Drop Supply Current LEN Micro Connectors (PMW variant only) Contacts Contact Carrier Contact Polarisation Mating Thread M12 O-Ring Seal Housing Mechanical Housing Material Clamping range M16 Gland (power feed on GLA variant only) Clamping range M20 Gland (backbone feeds on GLA variant only) F A Max each feed (when suitables are fitted) 3 A each feed (fitted as standard) Rated Voltage 32 V Reverse Protection 45 V Forward Drop 0.57 V each feed Sma @ 12 V each feed Feed Nylon & GF Contact Carrier Nylon & GF Contact Polarisation Standard M12 -"A"- polarisation M12 O-Ring Seal Rubber, black Brass, nickel plated Mechanical 4.5 to 10 mm Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	Rated Current (QPD-1-PMW)			
suitable fuses are fitted) Fuse Rating Rated Voltage Reverse Protection Forward Drop Supply Current LEN Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Contact Polarisation Mating Thread O-Ring Seal Housing Brass, nickel plated Mechanical Housing Material Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) suitable fuses are fitted) 3 A each feed (fitted as standard) Standard M2 Veach feed ### Poly each feed ### Poly each feed ### Polycarbonate ### Polycarbonate ### ### Polycarbonate ### ### ### ### ### ### ### ### ### #	rated editorit (di D-1-1 WWV)	· · · · · · · · · · · · · · · · · · ·		
Fuse Rating Rated Voltage Reverse Protection Forward Drop Supply Current LEN Micro Connectors (PMW variant only) Contacts Contact Carrier Nylon & GF Contact Polarisation Mating Thread M12 O-Ring Seal Housing Mechanical Housing Material Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) 3 A each feed (fitted as standard) 3 A each feed (fitted as standard) 3 V Reach feed (fitted as standard) 45 V Standard M2 V each feed Name (PMW variant only) Standard M12 V each feed Nylon & GF Contact Carrier Nylon & GF Contact Polarisation Standard M12 - "A" - polarisation M12 O-Ring Seal Rubber, black Brass, nickel plated Mechanical Polycarbonate 4.5 to 10 mm Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	Rated Current (QPD-1-GLA)			
Rated Voltage Reverse Protection 45 V Forward Drop 0.57 V each feed Supply Current 3 mA @ 12 V each feed LEN <1 Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Mating Thread M12 O-Ring Seal Housing Brass, nickel plated Mechanical Housing Material Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	,	,		
Rated Voltage Reverse Protection 45 V Forward Drop 0.57 V each feed Supply Current 3 mA @ 12 V each feed LEN <1 Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Standard M12 - "A" - polarisation Mating Thread M12 O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	Fuse Rating			
Reverse Protection 45 V Forward Drop 0.57 V each feed Supply Current 3 mA @ 12 V each feed LEN <1 Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Standard M12 - "A" - polarisation Mating Thread M12 O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	D-41 \/- 4			
Forward Drop Supply Current 3 mA @ 12 V each feed LEN <1 Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Mating Thread O-Ring Seal Housing Brass, nickel plated Mechanical Housing Material Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed				
Supply Current 3 mA @ 12 V each feed LEN <1 Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Standard M12 -"A"- polarisation Mating Thread M12 O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed		1		
LEN <1 Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Standard M12 -"A"- polarisation Mating Thread M12 O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	<u>'</u>			
Micro Connectors (PMW variant only) Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Standard M12 -"A"- polarisation Mating Thread M12 O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed				
Contacts Brass, gold plated Contact Carrier Nylon & GF Contact Polarisation Standard M12 -"A"- polarisation Mating Thread M12 O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed		* *		
Contact Carrier Contact Polarisation Standard M12 - "A" - polarisation Mating Thread O-Ring Seal Housing Brass, nickel plated Mechanical Housing Material Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator Nylon & GF Standard M12 - "A" - polarisation M12 Rubber, black Brass, nickel plated 4.5 to 10 mm 6 to 12 mm				
Contact Polarisation Mating Thread O-Ring Seal Housing Brass, nickel plated Mechanical Housing Material Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator Standard M12 -"A"- polarisation M12 Rubber, black Brass, nickel plated Polycarbonate 4.5 to 10 mm 6 to 12 mm		•		
Mating Thread M12 O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed		1 -		
O-Ring Seal Rubber, black Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	Contact Polarisation	i e		
Housing Brass, nickel plated Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	Mating Thread	· · · · =		
Mechanical Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator Polycarbonate 4.5 to 10 mm 6 to 12 mm 7 to 12 mm 8 to 12 mm 9 to 12 mm	O-Ring Seal	•		
Housing Material Polycarbonate Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	Housing	Brass, nickel plated		
Clamping range M16 Gland (power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 4.5 to 10 mm 6 to 12 mm 1 x green LED each feed	Mechanical			
(power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 4.5 to 10 mm 4.5 to 10 mm 6 to 12 mm 1 x green LED each feed	Housing Material	Polycarbonate		
(power feed on all variants) Clamping range M20 Gland (backbone feeds on GLA variant only) Power Indicator 1 x green LED each feed	Clamping range M16 Gland	4.5 to 10 mm		
(backbone feeds on GLA of to 12 mm variant only) Power Indicator 1 x green LED each feed				
variant only) Power Indicator 1 x green LED each feed		6 to 12 mm		
Power Indicator 1 x green LED each feed				
		1 v groon I ED cook food		
Reverse Power Indicator I1 x red LED		•		
· · · · · · · · · · · · · · · · · · ·				
	. 4.555	ATO automotive blade		
		209 g		
Weight QPD-1-PMW 233 g				
Approvals and Certifications	Approvals and Certifications			
Protection IP67 (when mated / plugged)		IP67 (when mated / plugged)		
Operating Temperature -20°C to +55°C	Operating Temperature	!		
Storage Temperature -30°C to +70°C	Storage Temperature	-30°C to +70°C		
Guarantee 3 years (when registered)	Guarantee	3 years (when registered)		
NMEA 2000 Certified				
RoHS Compliant	RoHS Compliant			

NMEA 2000 Connections

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

QPD-1-PMW

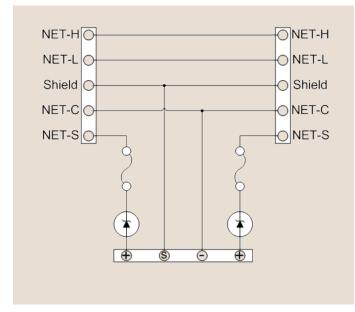


QPD-1-GLA

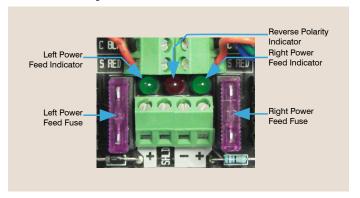


Quick Power Drop

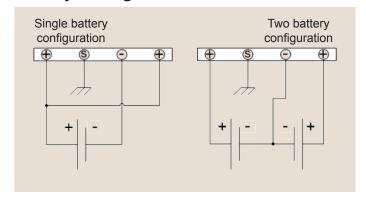
Wiring Schematic



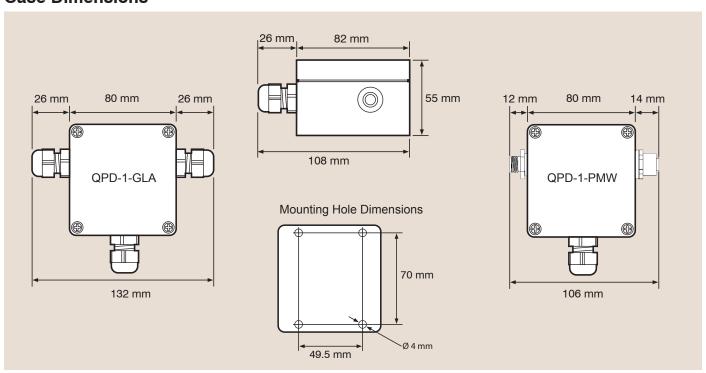
Feature Layout



Battery Configurations



Case Dimensions



Part Number	Description
QPD-1-PMW	NMEA 2000 power entry point with extra features, with Micro connectors
QPD-1-GLA	NMEA 2000 power entry point with extra features, with terminal connectors for Micro, Mid and Mini cable