

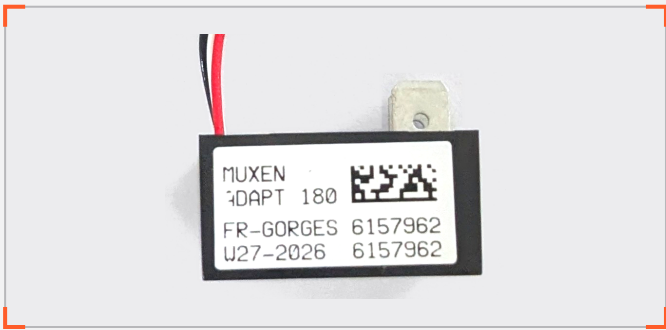
SIGNAL & PROTECTION ACCESSORIES

ACCESSORIES

Two small in-line modules that connect a boat's standard hardware to the MUXEN system cleanly — one reads a tank, one protects a pump or WC switch.

TANK SENDER ADAPTER

Turns any resistive tank sender into a clean 0–5 V signal for a MUXEN analog input. A 20 mA **constant-current** source drives the sender, so the reading follows only the level — not wire length or contact resistance. It reads the 240–33 Ω and the 0–180 Ω senders fitted to diesel, water and holding tanks.



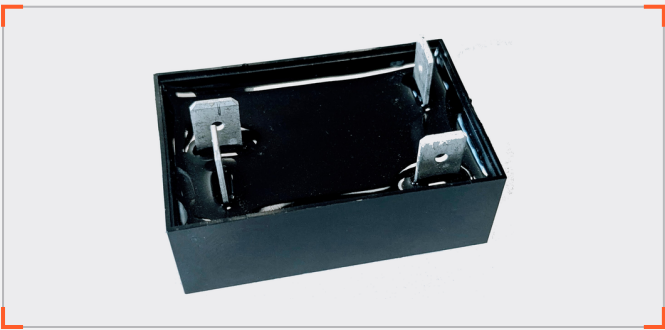
TANK SENDER ADAPTER

SPECIFICATIONS

Input	240–33 Ω or 0–180 Ω sender
Excitation	20 mA constant current
Output	0–5 V, linear to R
Fluids	Diesel · fresh/black/grey water
Feeds	Compatible MUXEN analog inputs
Supply	5.5 V

MOTOR FILTER

Protects the switch that drives a pump or WC motor from the **back-EMF** spike the motor produces the instant it stops. A freewheeling diode carries the coil current and a flyback diode clamps the spike, so the MUXEN eFuse or relay never sees it. Fit close to the load to keep the clamped loop short.



MOTOR FILTER

SPECIFICATIONS

For	DC pump · WC · solenoid
Protection	Freewheeling + flyback diode
Voltage	Up to 60 V DC
Current	Up to 30 A
Mount	At the load, short leads
Wiring	In-line, two-wire