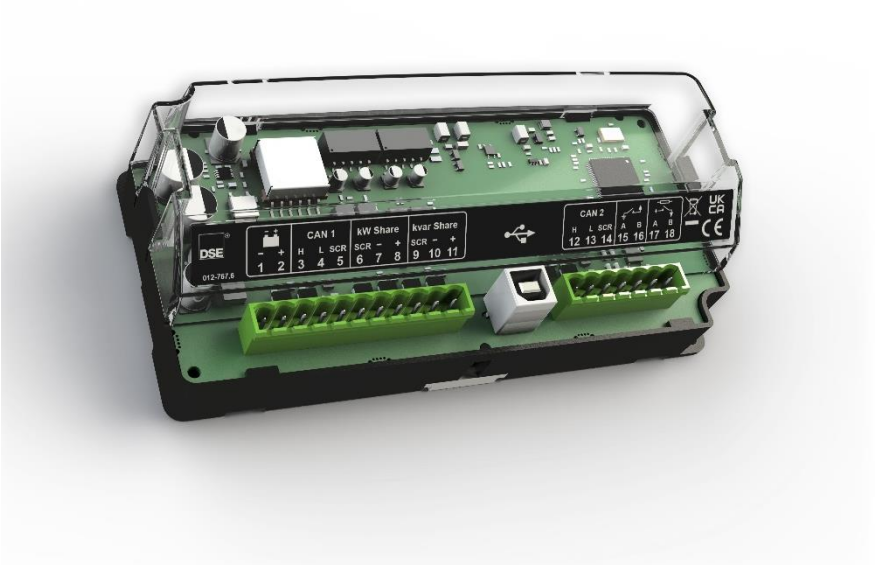
DEEP SEA ELECTRONICS

053-263
ISSUE 1

DSEG0123 AMSC Load Share Interface
Installation Instructions

DESCRIPTION

The G0123 Load Share Lines Interface is designed to allow DSE load sharing modules to interface with analogue load share lines on existing systems without the need to replace the existing controls.
The G0123 monitors the load share lines and converts this into digital information. This data is then used by the onboard microprocessor to allow the G0123 to drive its own load share lines and to communicate on the AMSC link with the host DSE load share controller.
When DC power is applied to the module, the status LED will illuminate. If the G0123 cannot communicate to the host load share controller using the AMSC link, the status LED begins flashing to indicate “Link Lost”.



SPECIFICATION

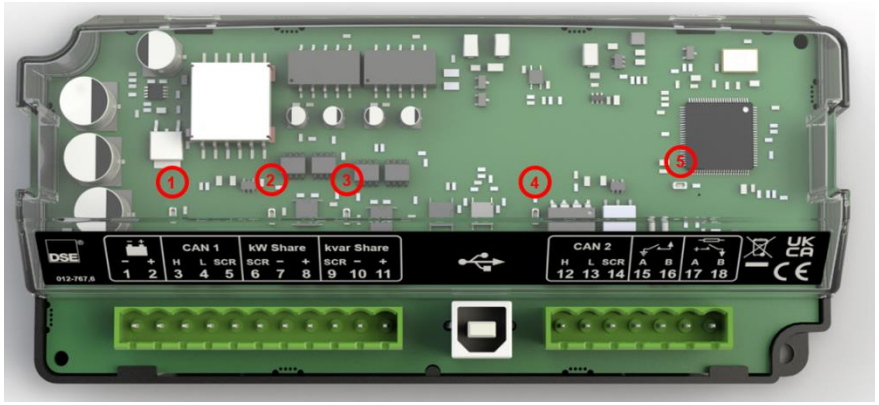
DC SUPPLY:
8V DC to 35V DC

MAX. CURRENT
(operating and standby):
Max Current 12V = 180mA 24V = 100mA

OPERATING TEMPERATURE RANGE:
-40ºC to +80ºC

INDICATIONS

Position	Indication	Colour	Description
1	CAN 1	Green	Off – Not communicating with a Gen on the link Steady – Communicating correctly with a Gen on the link
2	kW Share	Green	Off – Disconnected from power share lines. Steady – Connected to power share lines.
3	kvar Share	Green	Off – Disconnected from var share lines. Steady – Connected to var share lines.
4	CAN 2	Green	Not used, always off.
5	Fault	Red	Off – No fault Rapid flashing – Internal fault

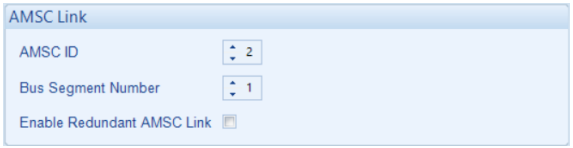


CONFIGURATION

Load Share Settings

The *Load Share Settings* section allows the user to edit options related to the module itself and is subdivided into smaller sections.

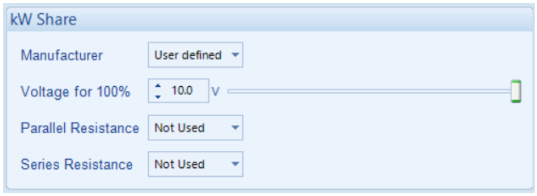
AMSC Link



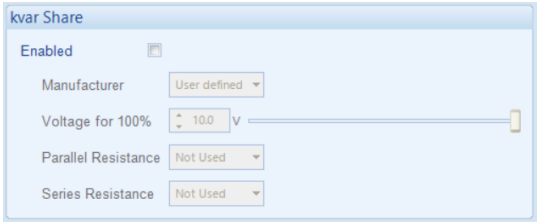
- AMSC ID- This is set manually
- Bus Segment Number-Each section of the ac bus requires a unique identifier, this number. All module connected to the same section or segment must have the same number.
- Enable Redundant AMSC Link-This activates the second (redundant) Multi-Set Comms (AMSC) Link, allowing for communications redundancy between the controllers

NOTE: The G0123-AMSC currently only works with a single G8600 in auto-start mode, or a single G8660 in Group controller mode on its primary bus. The Bus segment ID must be set to the same as on the G86xx.

KW Share



Kvar Share

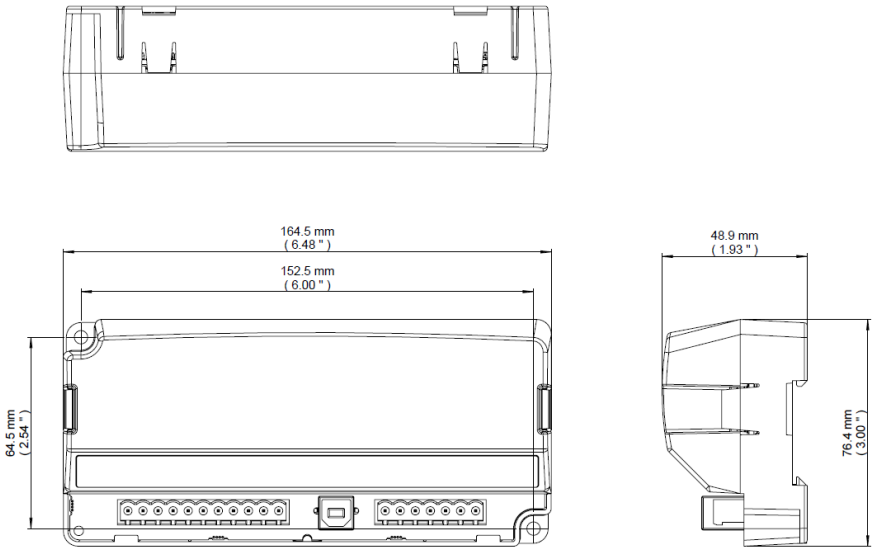


- Unticking the 'Enabled' checkbox forces the other items in the group to be disabled.
- Selecting a Manufacturer fills in the other parameters as appropriate.
- Selecting 'Cummins' also locks the other three settings in this group.
- Changing any of the settings forces manufacturer back to 'User Defined'

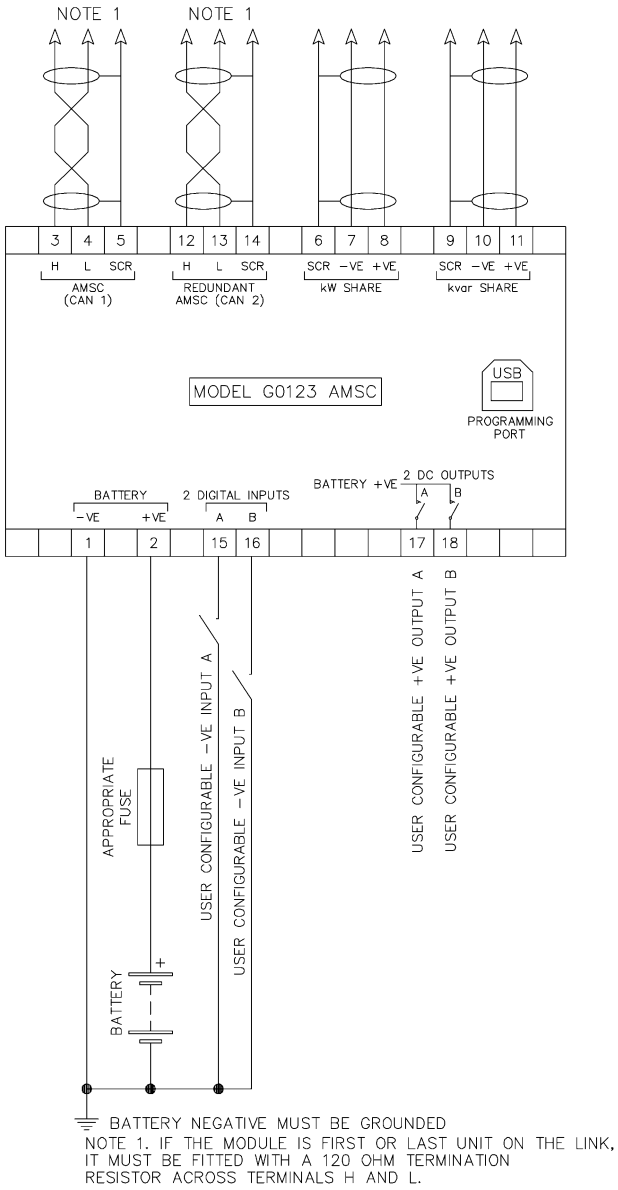
NOTE: For further details of the Load Share Interface configuration, refer to DSE Publication: 057-351 *DSEG0123 Configuration Suite PC Software Manual.*

DIMENSIONS

164.5mm x 76.4mm x 48.9mm
(6.87" x 3.00" x 1.93")
DIN Rail mounted housing.



TYPICAL WIRING



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