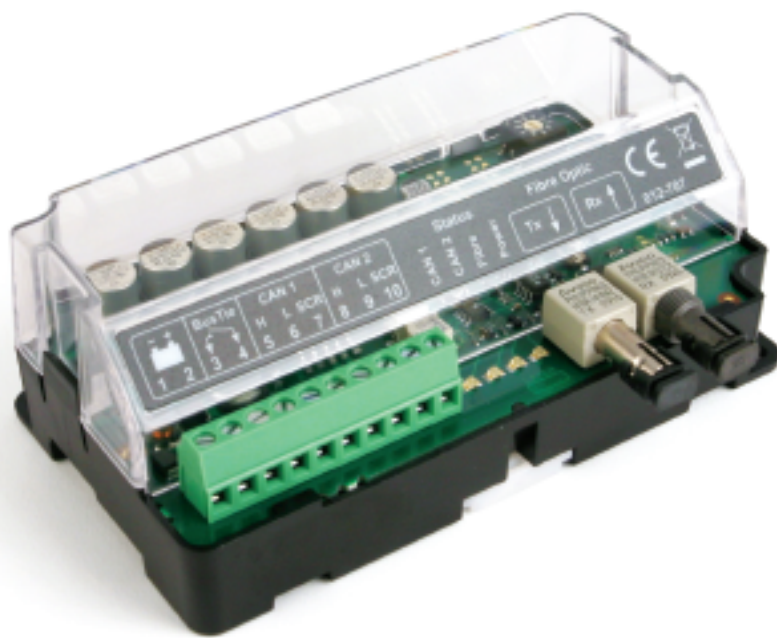


# DSE<sup>®</sup> EXTRA<sup>®</sup> BATTERY CHARGERS AND EXPANSION MODULES.

## DSE124 CANBUS EXTENDER



The DSE124 is a CANbus extender capable of extending either the Multiset Comms (MSC) Load Share Link or engine CANbus.

4 red LEDs provide indication of the module's operational status.

### Part Number:

**0124-01**

With fibre optic port. This version can be used to provide a 2000m segment between two extenders with no reduction in speed or number of modules that can be accommodated.

A maximum of 8 copper 250m segments and 2 fibre optic 2000m segments can be used together.

Both modules have been designed for DIN rail mounting or for fitting directly to the chassis.



### SPECIFICATION

#### MINIMUM SUPPLY VOLTAGE

8V continuous

#### CRANKING DROPOUTS

Able to survive 0V for 50ms providing the supply was at least 10V before the dropout and recovers to 5 volts afterwards.

#### MAX OPERATING SUPPLY VOLTAGE

35V continuous.

#### MAX OPERATING SUPPLY CURRENT

191mA at 12V, 99mA at 24V.  
Digital input grounded, passing MSC protocol at 75% bus capacity, Fibre port fitted.

#### MAXIMUM STANDBY CURRENT

147mA at 12V, 76mA at 24V  
digital input open circuit, no activity on CAN or Fibre ports.

#### DIGITAL INPUT

1 x configurable digital input

#### CASE DIMENSIONS

133.9mm x 76.4mm x 48.9mm.

### ENVIRONMENTAL TESTING STANDARDS

#### ELECTRO MAGNETIC COMPATIBILITY

BS EN 61000-6-2  
EMC Generic Immunity Standard for the Industrial Environment  
BS EN 61000-6-4  
EMC Generic Emission Standard for the Industrial Environment

#### ELECTRICAL SAFETY

BS EN 60950  
Safety of Information Technology Equipment, including Electrical Business Equipment

#### TEMPERATURE

BS EN 60068  
Test Ab to +70oC 60068-2-2 Hot  
Test Ab to -30oC 60068-2-1 Cold

#### HUMIDITY

BS 2011 part 2.1 60068-2-30  
Test Cb Ob Cyclic  
93% RH @ 40oC for 48 hours

#### VIBRATION

BS EN 60068-2-6  
Ten sweeps in each of three major axes 5Hz to 8Hz @ +/-7.5mm, 8Hz to 500Hz @ 2g

#### IP RATING

BS EN 60529.  
Degrees of protection provided by enclosures IP21

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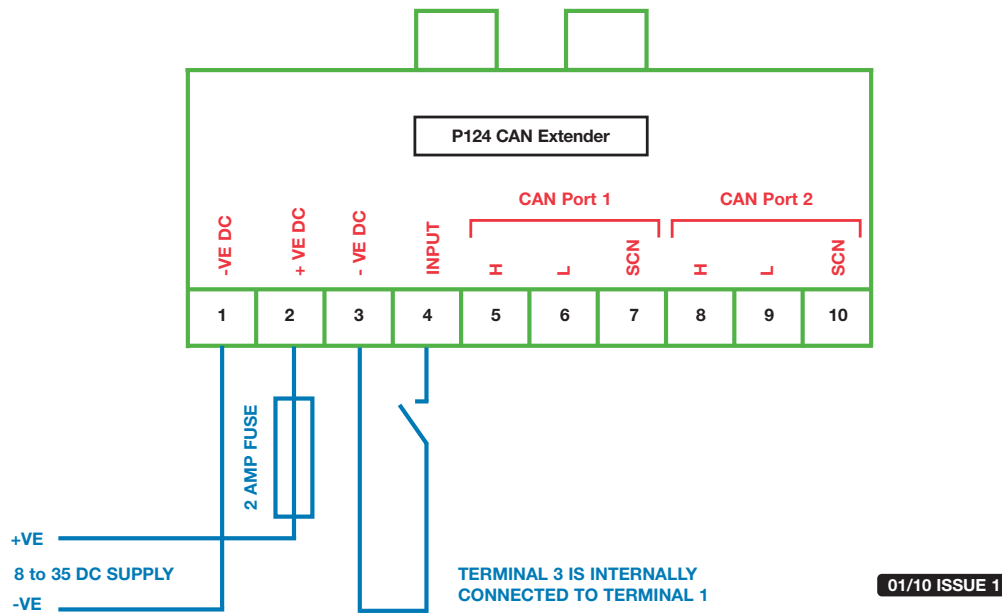
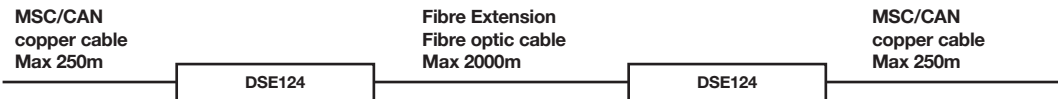
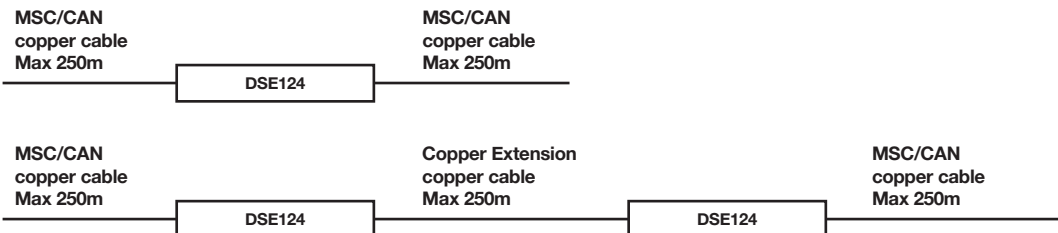
**WEBSITE**

www.deepseausa.com



# DSE124

ST TYPE FIBRE OPTIC CONNECTORS TRANSMIT AND RECEIVE

**FIBRE OPTIC EXPANSION****COPPER CABLE EXPANSION**

**DEEP SEA ELECTRONICS PLC** maintains a policy of continuous development and reserves the right to change the details shown on this data sheet without prior notice. The contents are intended for guidance only.

**OTHER EXPANSION OPTIONS ARE LISTED IN THE OPERATORS MANUAL**

**RELATED MATERIALS**

**TITLE**  
 DSE124 Operator Manual  
 DSE124 Installation Instructions

**PART NO'S**

057-116  
 053-068

