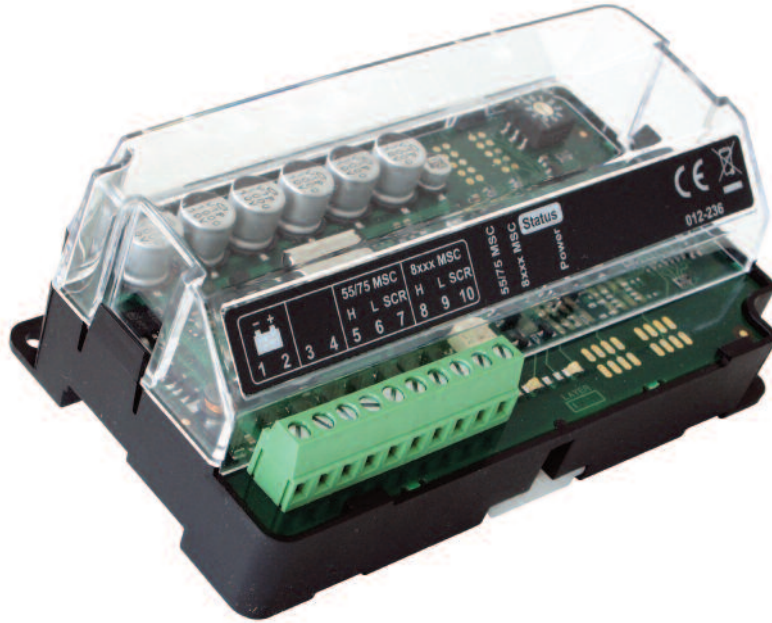


# DSE125 MSC CONVERTER



The DSE125 MSC Converter module is used to interface an MSC link containing DSE55XX and DSE75XX modules with an MSC link containing DSE8XXX series modules.

It achieves this by providing an MSC link input for the DSE55XX and DSE75XX modules and another for the DSE8XXX series. This reduces the MSC link functionality of a system to that containing only DSE55XX and DSE75XX modules.

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

### KEY FEATURE

- Makes the DSE55XX/75XX MSC link compatible with the DSE8XXX

### COMPATIBILITY TABLE

55/75 MSC		DSE125	8XXX MSC		
55/7510	55/7560	CONVERTER	8X10	8X60	8X80
YES	YES	↔	YES	NO	NO
YES	NO	↔	YES	YES	NO
YES		↔	YES		NO

### 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 60068-2-1  
Ab/Ae Cold Test -30 °C  
BS EN 60068-2-2  
Bb/Be Dry Heat +70 °C

#### VIBRATION

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

#### HUMIDITY

BS EN 60068-2-30  
Db Damp Heat Cyclic 20/55 °C @ 95% RH  
48 Hours  
BS EN 60068-2-78  
Cab Damp Heat Static 40 °C @ 93% RH  
48 Hours

#### SHOCK

BS EN 60068-2-27  
Three shocks in each of three major axes  
15 gn in 11 mS

#### IP RATING

BS EN 60529.  
Degrees of protection provided by enclosures IP21

### SPECIFICATION

#### DC SUPPLY

**CONTINUOUS VOLTAGE RATING**  
8 V to 35 V continuous

#### CRANKING DROPOUTS

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

#### MAXIMUM OPERATING CURRENT

130 mA at 12 V, 70 mA at 24 V.

#### MAXIMUM STANDBY CURRENT

65 mA at 12 V, 35 mA at 24 V

#### DIMENSIONS

134 mm x 76 mm x 49 mm



### RELATED MATERIALS

TITLE	PART NO'S	TITLE	PART NO'S
DSE125 Installation Instructions	053-089	DSE7560 Data Sheet	055-067
DSE5510 Data Sheet	055-039	DSE8610 Data Sheet	055-083
DSE5560 Data Sheet	055-041	DSE8660 Data Sheet	055-086
DSE7510 Data Sheet	055-065	DSE8700 Data Sheet	055-090

### DEEP SEA ELECTRONICS PLC UK

Highfield House, Hunmanby Industrial Estate, Hunmanby YO14 0PH  
**TELEPHONE** +44 (0) 1723 890099 **FACSIMILE** +44 (0) 1723 893303  
**EMAIL** sales@deepseapl.com **WEBSITE** www.deepseapl.com

### DEEP SEA ELECTRONICS INC USA

3230 Williams Avenue, Rockford, IL 61101-2668 USA  
**TELEPHONE** +1 (815) 316 8706 **FACSIMILE** +1 (815) 316 8708  
**EMAIL** sales@deepseausa.com **WEBSITE** www.deepseausa.com