

DSE123

ANALOGUE LOAD SHARE LINES INTERFACE

The DSE123 converts the digital loadshare link between DSE products to the universal analogue load share lines. This process allows synchronising of control modules of a different manufacturer to share kW and kV Ar with the DSE5510, DSE7510 or DSE 8610.

By interfacing with manufacturers products, expanding an existing system can be accomplished with ease when utilising DSE synchronising and loadsharing products.

When DC power is applied to the DSE123, a status LED will illuminate. If the DSE123 cannot communicate with the DSE5510, DSE7510 or DSE8610, the LED will flash to indicate a communication malfunction.

CONFIGURATION

The table shows how the DSE123 interface needs to be configured depending on the existing load share system.

| TYPE | DSE123 SWITCH POSITION | | | | | |
|---------------|------------------------|---|---|---------------------|---|---|
| | kW SHARE SETTINGS | | | V Ar SHARE SETTINGS | | |
| | A | B | C | D | E | F |
| BARBER COLMAN | 6 | 4 | 2 | 0 | 1 | 1 |
| DEIF* | 0 | 1 | 8 | 0 | 1 | 8 |
| SELCO | 2 | 2 | 8 | 0 | 1 | 1 |
| WOODWARD | 6 | 8 | 1 | 0 | 1 | 1 |

ENVIRONMENTAL TESTING STANDARDS

ELECTRO MAGNETIC COMPATIBILITY
 BS EN 61000-6-2
 EMC Generic Emission 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 60068-2-2
 Test Ab to +70°C 60067-2-2 Hot
 Test Ab to -30°C 60068-2-1 Cold

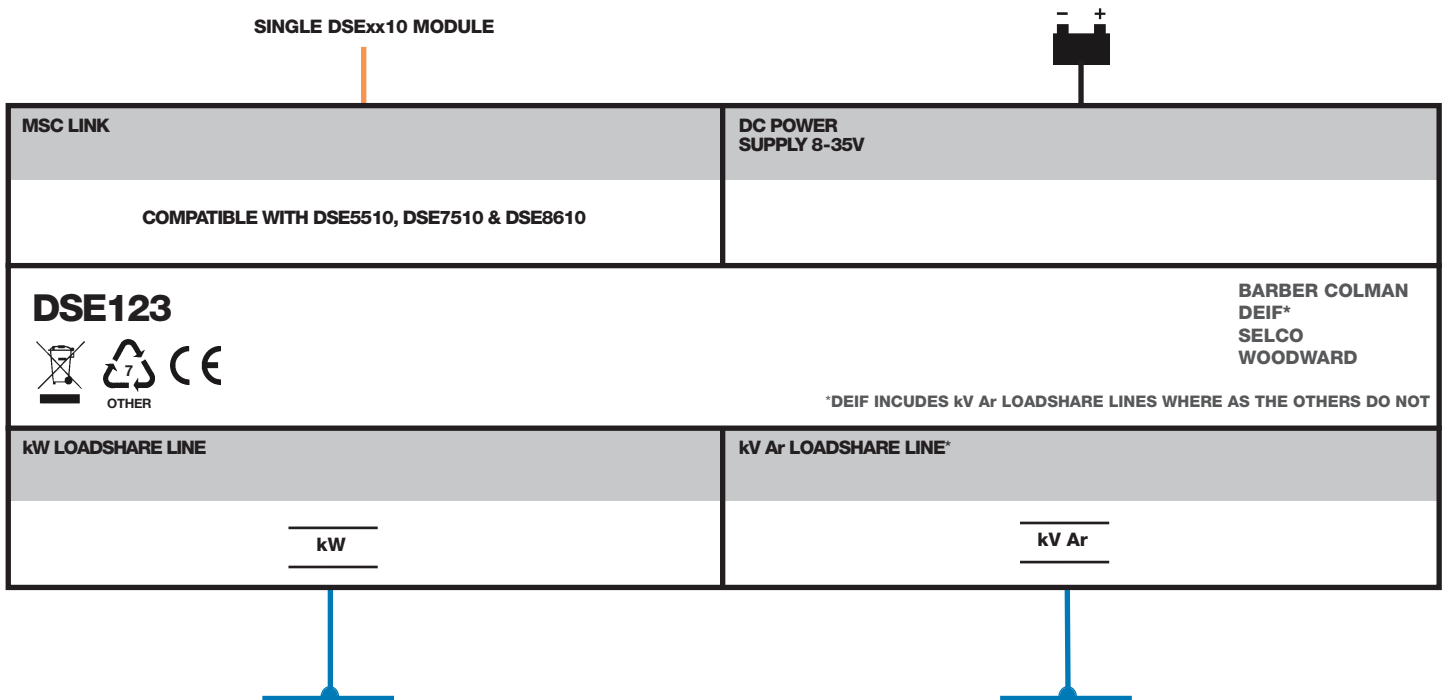
VIBRATION
 BS EN 60068-2-6
 Ten sweeps in each of three major axes
 5Hz to 8Hz @ +/-7.5mm, 8Hz to 500Hz @ 2gn

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

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

COMPREHENSIVE FEATURE LIST TO SUIT A WIDE VARIETY OF GEN-SET APPLICATIONS

SINGLE DSExx10 MODULE



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KEY FEATURES

- Power On/Status LED
- Plug & socket connection for quick and easy set-up
- Simple configuration via multiple position switches
- Converts a single DSE5510, DSE7510 or DSE8610's MSC link to analogue load share lines.
- Compatible with Barber Colman, Deif, Delco and Woodward products that support analogue load share lines.

KEY BENEFITS

- Expand existing systems with DSE modules without replacing existing control
- kW & kV Ar loadsharing between DSE & other manufacturers products.

SPECIFICATION

DC SUPPLY

CONTINUOUS VOLTAGE RATING

8 V to 35 V Continuous

CRANKING DROPOUTS

Able to survive 0 V for 50 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries. LEDs and backlight will not be maintained during cranking.

MAXIMUM OPERATING CURRENT

150 mA at 12 V, 80 mA at 24 V

MAXIMUM STANDBY CURRENT

150 mA at 12 V, 80 mA at 24 V

DIMENSIONS

OVERALL

161 mm x 78 mm x 76 mm
6.3" x 3.1" x 3.0"

MOUNTING

DIN Rail

OPERATING TEMPERATURE RANGE

-30°C to +70°C

STORAGE TEMPERATURE RANGE

-40°C to +80°C

RELATED MATERIALS

TITLE

DSE5510 Data Sheet
DSE5510 Operators Manual
DSE7510 Data Sheet
DSE7510 Operators Manual
DSE8610 Data Sheet
DSE8610 Operators Manual

PART NO'S

055-039
057-015
055-065
057-088
055-083
057-115

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