

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



## DSE123

LOAD SHARE LINES INTERFACE



The DSE123 is a Load Share Lines Interface Device designed to expand existing analogue load share systems. The DSE123 monitors existing load share lines and converts the analogue information into a digital format.

This process allows all existing control modules to communicate with the DSE7510 and DSE5510 control modules when they are added to the system.

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

The device has been designed to work with both DSE and other manufacturers existing load share systems, providing that the system is being expanded with a DSE7510 or DSE5510.

### CONFIGURATION

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

TYPE	DSE123 SWITCH POSITION					
	kW SHARE SETTINGS			VAr 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

DEIF\* includes VAr share lines where the others do not

### SPECIFICATION

#### DC SUPPLY

8V to 35V

#### MAXIMUM OPERATING CURRENT

150mA @ 12V 80mA @ 24V

#### DIMENSIONS

160.5mm x 77.5mm x 76mm  
6.3" x 3.1" x 3"  
DIN Rail mounted housing

#### INDICATIONS

LED lit steady – ON/OK  
LED flashing – M.S.C. link lost

### 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 +70°C 60068-2-2 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

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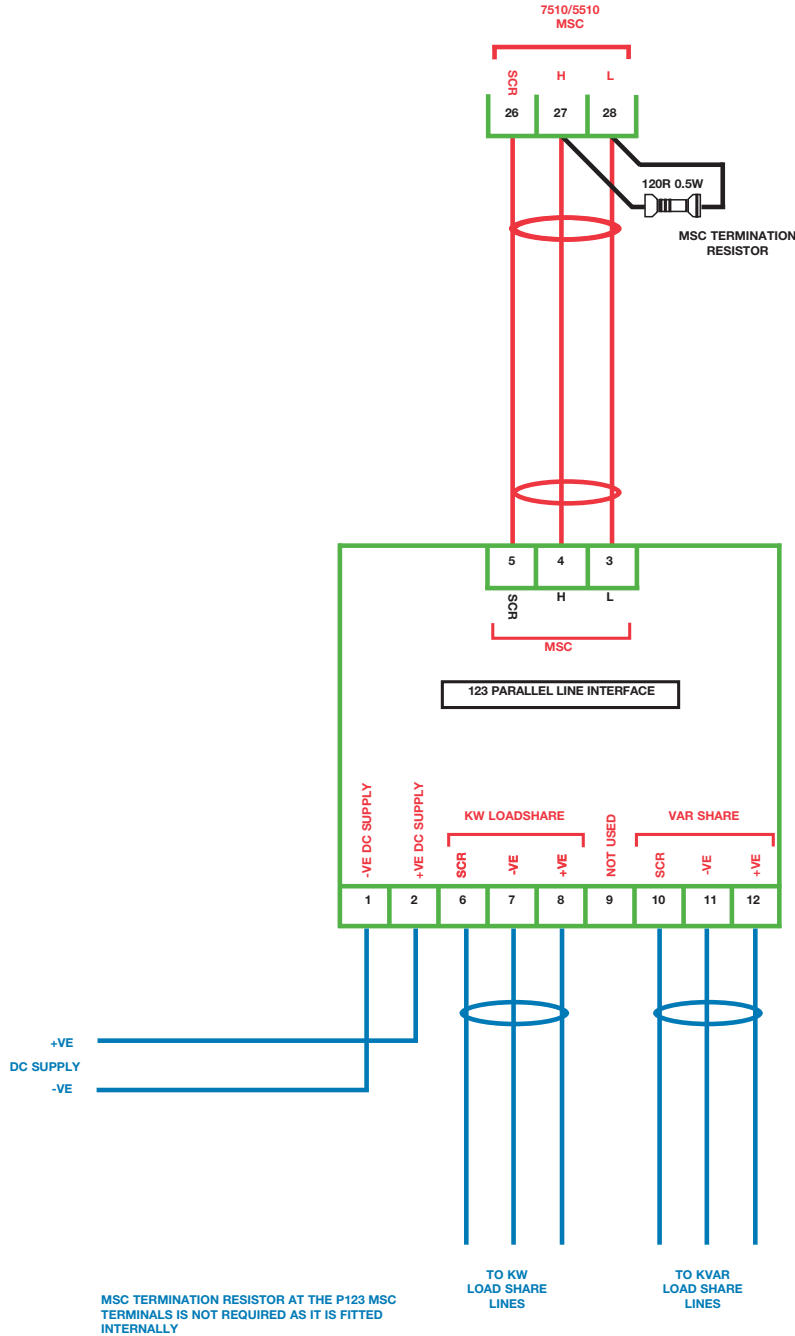
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# DSE123

**RELATED MATERIALS**

TITLE	PART NO'S
DSE5510 Data sheet	055-039
DSE5510 Manual	057-015
DSE7510 Data sheet	055-065
DSE7510 Manual	057-088

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