



ELFD Controller Carrier

The ELFD Controller Carrier provides a mounting platform for up to two SafetyNet Controllers (8851-LC-MT). It can also accommodate a Power Supply Monitor module (8410-NS-PS) which can monitor the health of up to two 8913-PS-AC, four 8914-PS-AC power supplies and the 12V supply to Intrinsically Safe Modules (when these are used). For each Controller there is a serial port connector and a manually operated “Change State” button. The Carrier also provides terminals that are used when earth leakage fault detection is required.

8751-CA-NS

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Product Name	ELFD Controller Carrier - Terminals for earth leakage fault detection
Lifecycle Status	Active
Carrier Mounting Modules	
SafetyNet Controller (x2)	8851-LC-MT
Power Supply Monitor Module	8410-NS-PS
Electrical Connections	
Railbus Connector	male out
Serial Port Connectors	9-pin, D-type (female) (x2)
Power Fail Connections	screw terminals (x7 pairs)
Ground Connection	M4 screw terminal (x1)
BFPOV Connection	M4 screw terminal (x1)
Earth Leakage Fault Detection Connections	screw terminals (1 pair)
System Power connections (Note: this does not provide power to the SafetyNet Controllers)	6-Pin (male)
Dimensions (W x D) mm	200 x 253 (footprint)
Height (mm)	28 (top of circuit board) 55 (overall)
Weight (kg)	1.43 (approx.)
Mounting Methods	flat panel (4 fixings)
User Controls	Two “change state” buttons, one for each SafetyNet Controller, are provided on the carrier. The state change depends upon the controller state before the button is pressed. See below for effects.
Master	Change to standby if current standby is healthy
Standby	Change to offline state
Backup	Re-synchronize and return to standby