

Product Datasheet

Medical Imaging Distribution Boards

Model	SL1-3125-WNNS-C
Description	125 Amps, 3 Poles, with Warning Lights Circuit and Emergency Power Off. 24V AC Shunt Coil and Control Circuit
Trip Unit	Schneider Micrologic 2.2
Energy Monitoring	No
Earth Leakage Protection (Main Circuit)	No

Voltage Ratings

U_n (Voltage)	415 V AC
U_e (Operational Voltage)	415 V AC
U_i (Insulation Voltage)	400 V AC
U_{imp} (Impulse Withstand Voltage)	4 kV

Current Ratings

I_{nA} (Current)	125 A
I_{nc} (Current – Main Circuit)	125 A
I_{nc} (Current – Warning Lights Circuit)	16 A
I_{pk} (Peak withstand)	NA
I_{cw} (Short-time withstand)	NA
I_{cc} (Conditional short-circuit current)	10kA RMS

Other Specifications

Diversity Factor	1
Frequency	50/60 Hz
Other Characteristics	

Additional Requirements

Pollution Degree	3
Earthing Type	TN-S
Indoor or Outdoor	Indoor

D o c	MIDB-001-007
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Stationary or Movable	Stationary
Degree of Protection	IP55
Intended for Use	Skilled Persons
Electromagnetic Compatibility Classification	Environment B
Special Service Conditions	Maximum Ambient Air Temperature 35° C
External Design	Wall Mounted Surface Type
Mechanical Impact	IK10
Type of Construction	Fixed Parts
Protection Against Electric Shock	Enclosure openable by key or tool
Overall Dimensions	500 high x 400 wide x 200 deep
Weight	16kg
Form of Internal Separation	Form 1
Types of Electrical Connections of Functional Units	FFF

Service Conditions

Ambient Air Temperature	Maximum 40°C Short Term Maximum 35°C Average over 24 hours Minimum -25°C
Maximum Altitude	2,000m
Overvoltage Category (IEC 60364-4-44:2007)	Category III

Short Circuit Protective Device

Mechanism	Protection Description
Schneider ComPacT NSX Moulded Case Circuit Breaker	Reflex (mechanical) tripping for high short-circuit currents, with a maximum break time of 10ms.
Micrologic 2.2, 160A	Adjustable short-time protection, 1.5-10xI _n , with fixed delay. Fixed instantaneous protection: cutoff current I _i = 2,400A

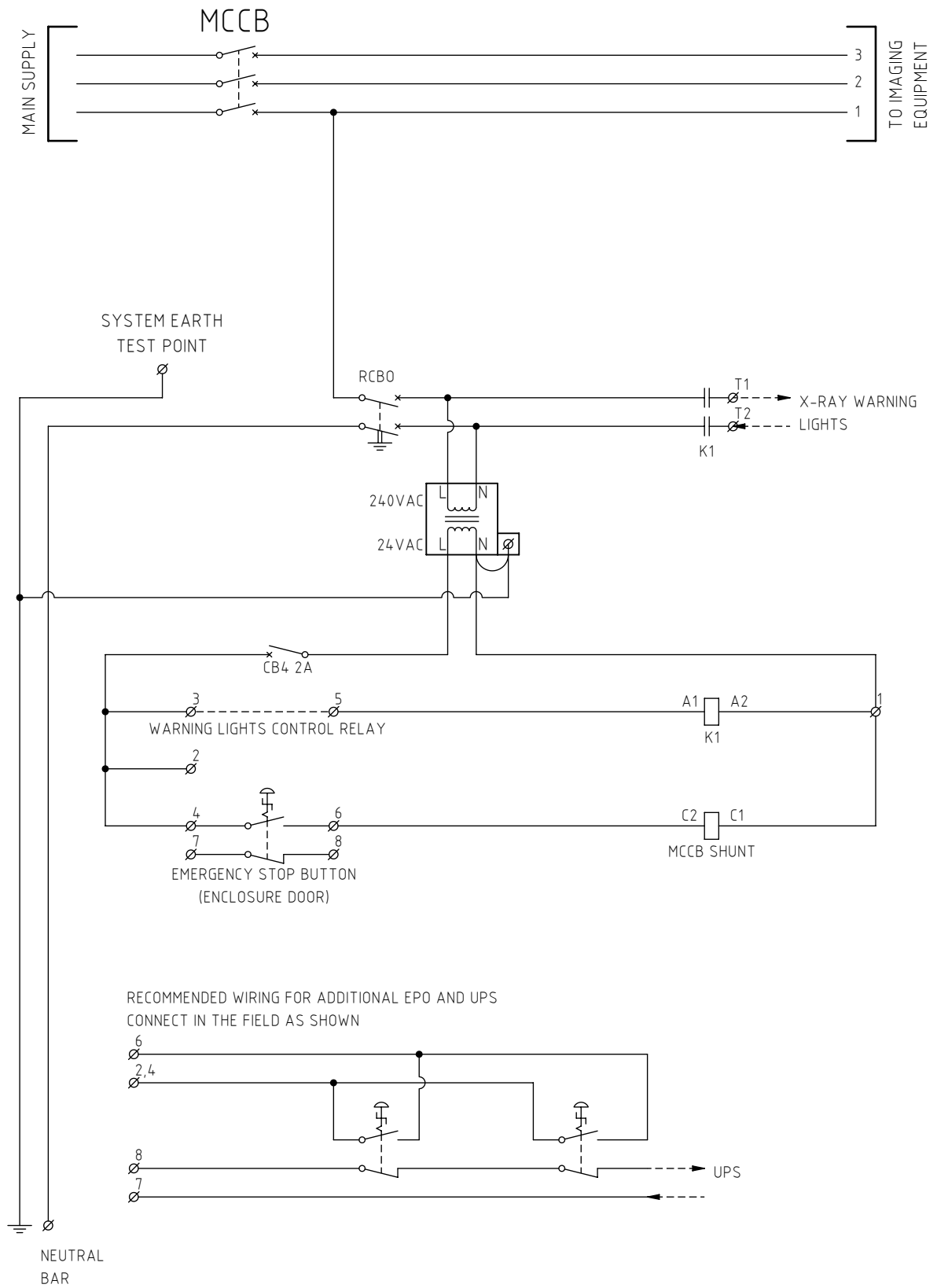
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Appendix A - Drawings

Medical Imaging Distribution Boards

Sheet 1	Electrical Schematic
Sheet 2	General Arrangement



				Morsen Pty Ltd abn 97 153 873 093 www.morsen.com.au		TITLE: Medical Imaging Distribution Boards Single Compartment One Isolator Electrical Schematic			
DRAWN	MW	5/11/2024	CHECKED	DvD	5/11/2024	Model		Version	Dwg Rev
						SL1-3125-WNNS		C	DS-B
DS-B	5/11/2024	Updated schematic with field wiring for additional EPO			SCALE:1:1		A4	SHEET 1 OF 2	
DS-A	8/10/2024	DATASHEET VERSION							
REV	DATE	DESCRIPTION							

