

Product Datasheet

Medical Imaging Distribution Boards

Model	SL1-3125-WNNS-A
Description	125 Amps, 3 Poles, with Warning Lights Circuit and Emergency Power Off
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
Stationary or Movable	Stationary

D o c	MIDB-001-001
D e s c	Datasheet - Medical Imaging Distribution Boards
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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

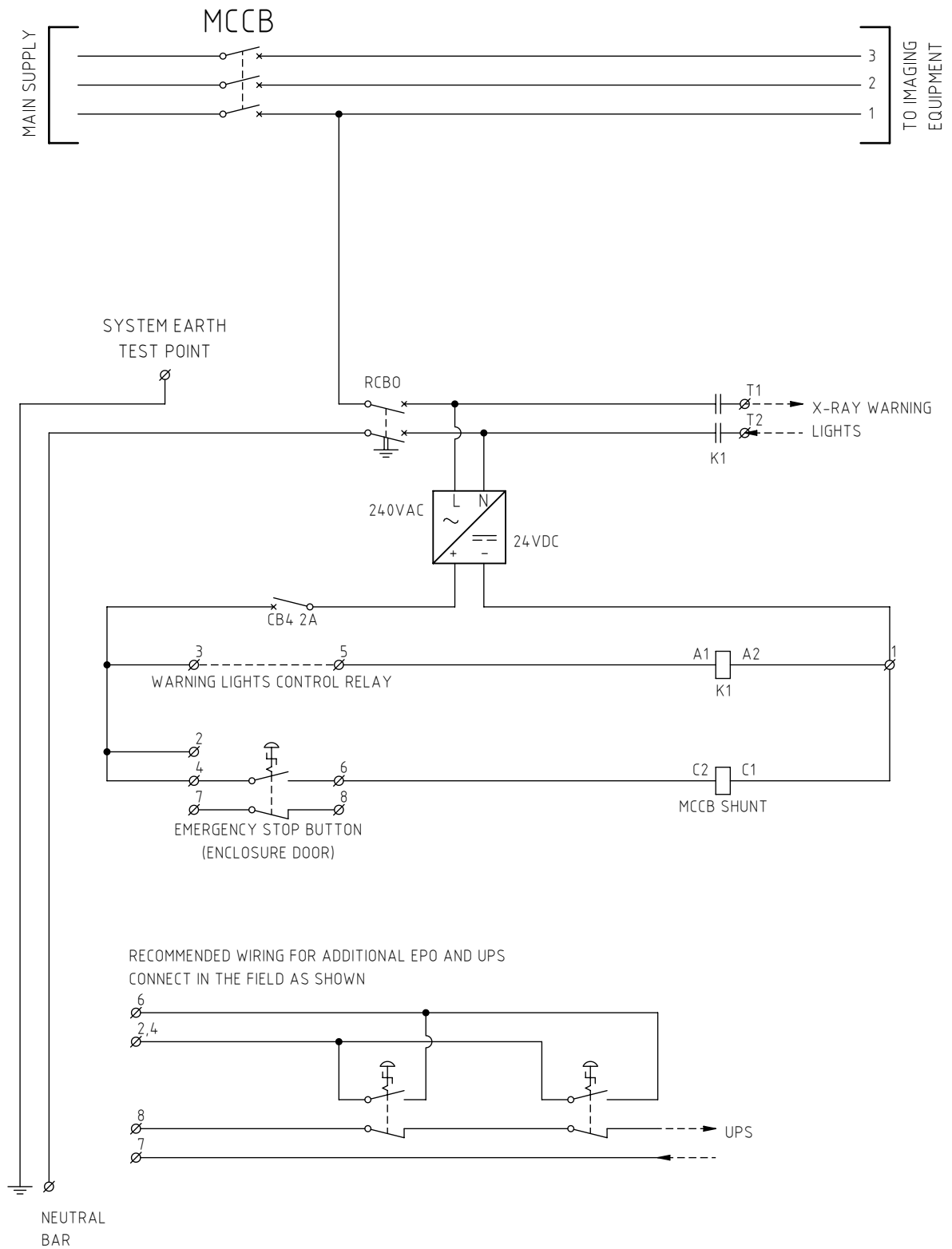
Mechanism	Protection Description
Schneider ComPacT NSX Moulded Case Circuit Breaker	Reflex (mechanical) tripping for high short-circuit currents, with a maximum break time of 10ms.
Micrologic 2.2, 160A	Adjustable short-time protection, 1.5-10xI _n , with fixed delay. Fixed instantaneous protection: cutoff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

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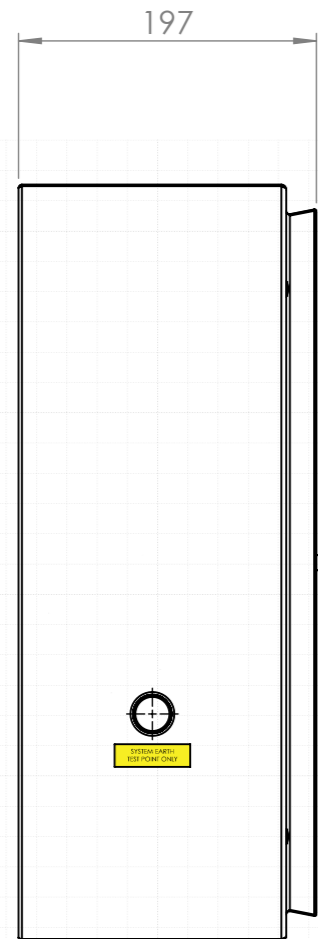
Appendix A - Drawings

Medical Imaging Distribution Boards

Sheet 1	Electrical Schematic
Sheet 2	General Arrangement

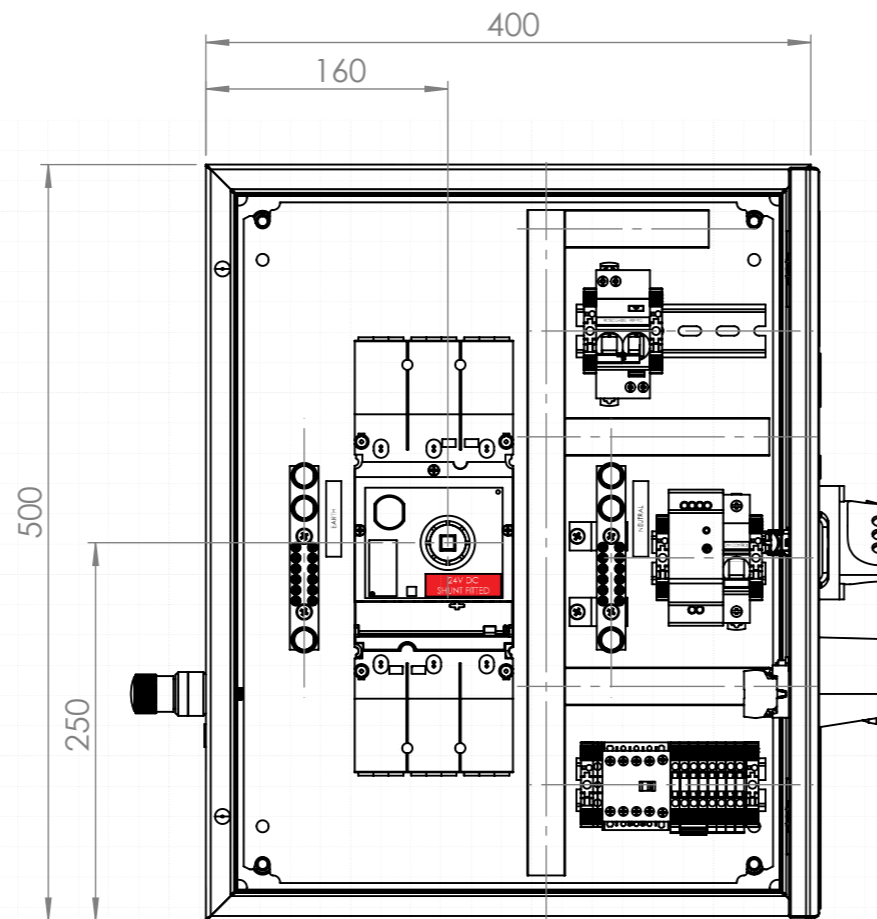
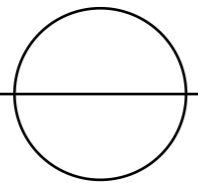


			Morsen Pty Ltd abn 97 153 873 093 www.morsen.com.au			TITLE: Medical Imaging Distribution Boards Single Compartment One Isolator Electrical Schematic			
DRAWN	MW	13/12/2024	CHECKED	DvD	13/12/2024	Model SL1-3125-WNNS		Version A	Dwg Rev DS-A
DS-A	13/12/2024	DATASHEET VERSION				SCALE: 1:1 A4		SHEET 1 OF 2	
REV	DATE	DESCRIPTION							



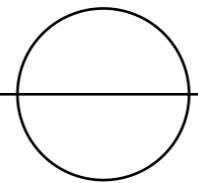
LEFT SIDE

Door Removed

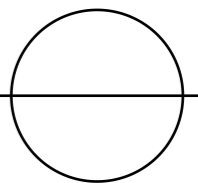


FRONT VIEW

Door Open



DOOR FRONT



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DRAWN	MW	13/12/2024	CHECKED	DvD	13/12/2024	
Model	SL1-3125-WNNS		Version	A		Dwg Rev
DS-A	13/12/2024	DATASHEET VERSION				DS-A
REV	DATE	DESCRIPTION		SCALE:1:5	A3	SHEET 2 OF 2