



Product Datasheet

Medical Imaging Distribution Boards

Model	SR1-4125-WRNS-A
Description	125 Amps, 4 RCD-Protected Poles, with Warning Lights Circuit and Emergency Power Off. Right-Handed Door
Trip Unit	Schneider Micrologic 4.2
Energy Monitoring	No
Earth Leakage Protection (Main Circuit)	Yes

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

Doc	MIDB-001-003
Desc	Datasheet - Medical Imaging Distribution Boards
Model	SR1-4125-WRNS-A
Rev	B
	3 February, 2025
	P
	1 of 3

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 500 wide x 200 deep
Weight	19kg
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 4.2, 160A	Adjustable short-time short circuit 1.5-10xI _r with fixed delay. Non-adjustable instantaneous: cutoff current I _i = 2,400A

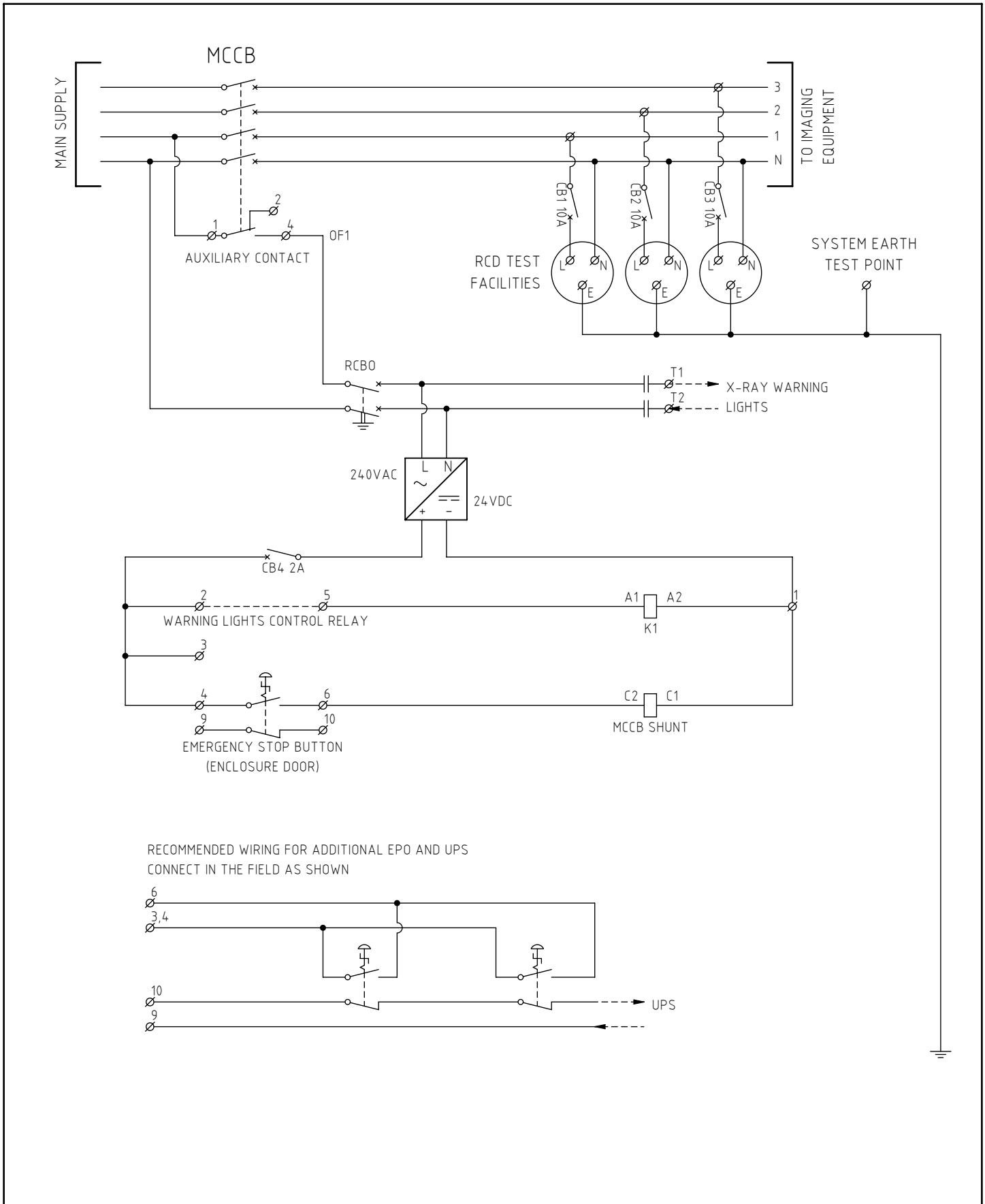
Morsen Pty Ltd. ABN 97 153 873 093
<https://www.morsen.com.au>
enquiries@morsen.com.au




Appendix A - Drawings

Medical Imaging Distribution Boards

Sheet 1	Electrical Schematic
Sheet 2	General Arrangement

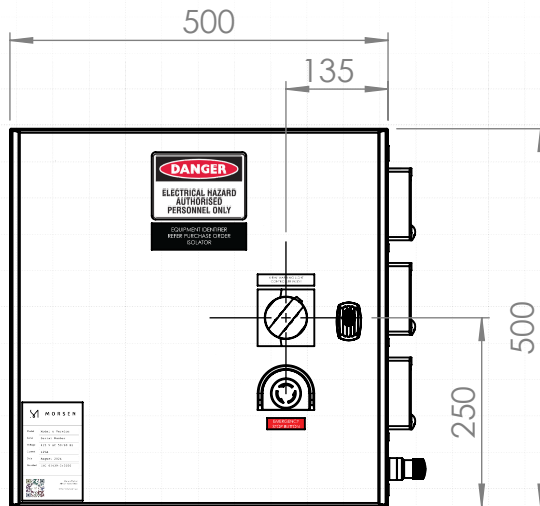
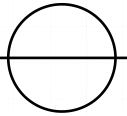


				Morsen Pty Ltd abn 97 153 873 093 www.morsen.com.au		TITLE: Medical Imaging Distribution Boards Single Compartment One Isolator Electrical Schematic			
DRAWN	MW	5/11/2024	CHECKED	DvD	5/11/2024	Model SR1-4125-WRNS		Version A	Dwg Rev DS-B
DS-B	5/11/2024	Updated schematic with field wiring for additional EPO				SCALE: 1:1 A4		SHEET 1 OF 2	
DS-A	2/10/2024	For Release							
REV	DATE	DESCRIPTION							

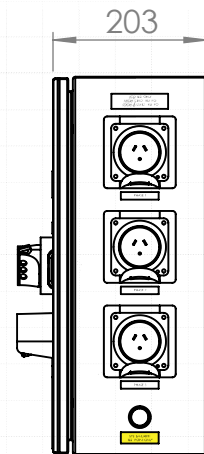
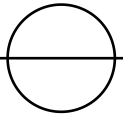


ISOMETRIC VIEW

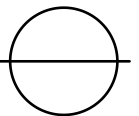
Door is Right-Handed
Scale 1:20




FRONT VIEW



RIGHT SIDE



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REV	DATE	DESCRIPTION				SCALE:1:10 A4 SHEET 2 OF 2		
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