

Product Datasheet

Medical Imaging Distribution Boards

Model	SL1-3200-WNNS-A
Description	200 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)	200 A
I_{nc} (Current – Main Circuit)	200 A
I_{nc} (Current – Warning Lights Circuit)	9 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

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	600 high x 500 wide x 250 deep
Weight	23kg
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

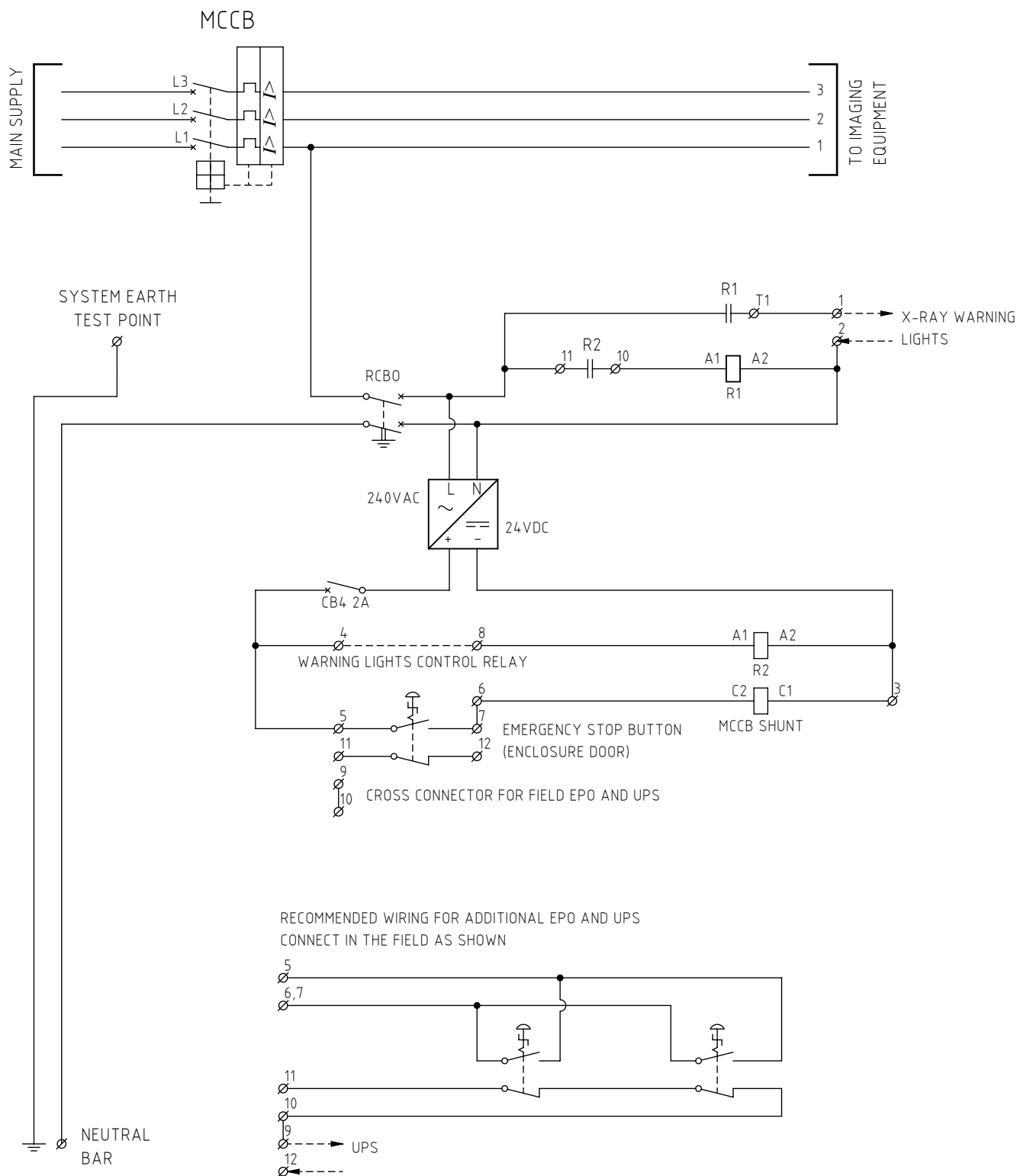
Short Circuit Protective Device


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, 250A	Adjustable short-time protection, 1.5-10xl, with fixed delay. Fixed instantaneous protection: cutoff current $I_i = 3,000A$
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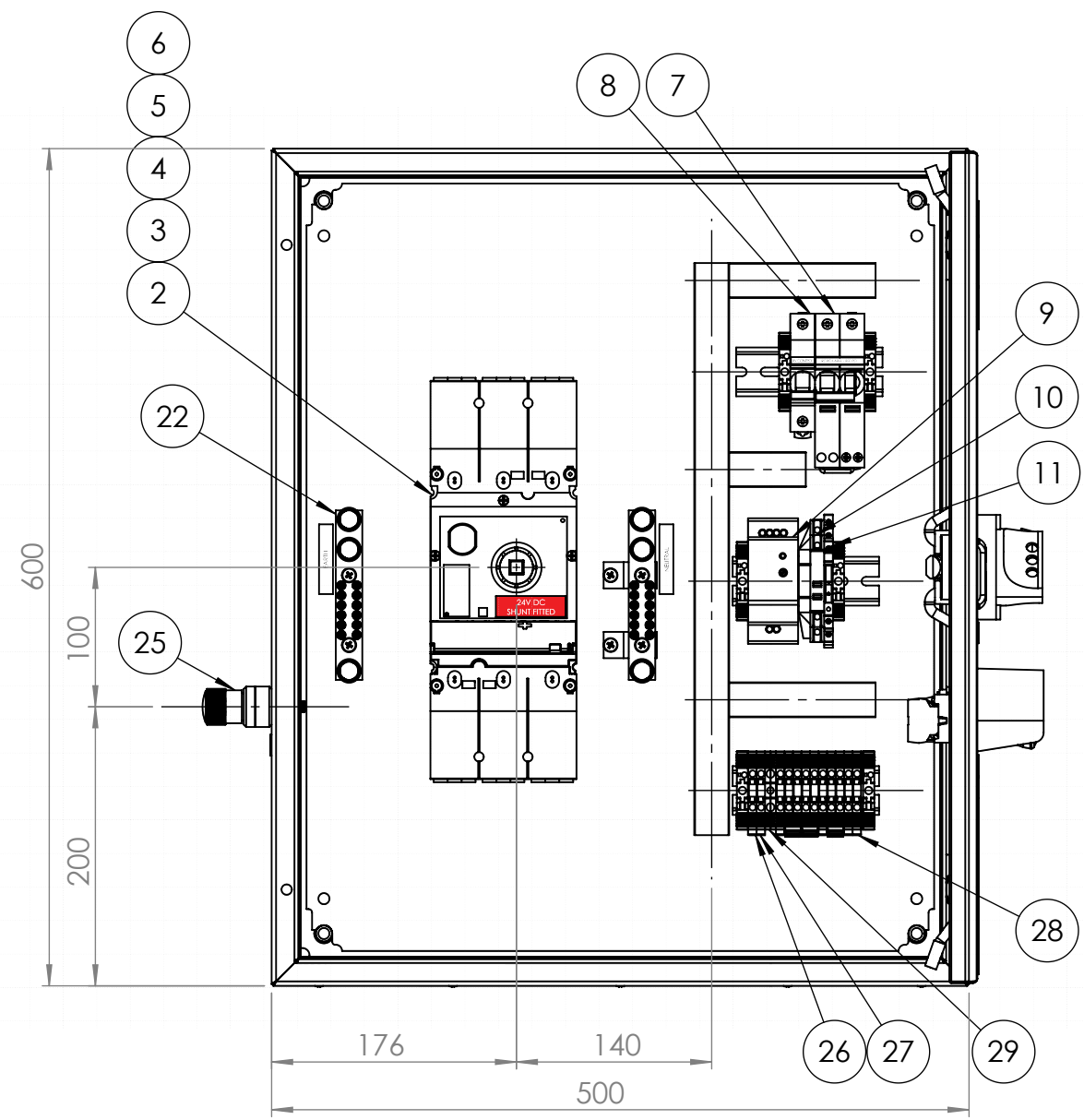
Appendix A - Drawings

Medical Imaging Distribution Boards

Sheet 1	Electrical Schematic
Sheet 2	General Arrangement
Sheet 3	Additional Views



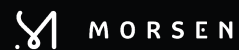
 MORSEN			Morsen Pty Ltd abn 97 153 873 093 www.morsen.com.au			TITLE: Medical Imaging Distribution Boards Single Compartment One Isolator Electrical Schematic			
DRAWN	MW	12/08/2025	CHECKED	DvD	12/08/2025				
DS-B	12/08/2025	As Built. Solid State Relay replaced with AC version				Model SL1-3200-WNNS		Version A	Dwg Rev DS-B
DS-A	12/08/2025	Issued For Approval							
REV	DATE	DESCRIPTION				SCALE:1:1 A4		SHEET 1 OF 3	



FRONT VIEW

Door Open

ITEM	NAME	DESCRIPTION	QTY
2	3-Pole Circuit Breaker	ComPacT NSX250F, 3-Pole, 250A, 36kA/415VAC	1
4	3-Pole Trip Unit	Micrologic 2.2 250A Electronic Basic Protections	1
7	RCBO Acti9	Acti9, iC60H2 RCBO, 2P, 20A, 30mA, A type, 10000A	1
8	Miniature Circuit Breaker	Acti9, Acti9 iC60N Disbo, 1P, 2A, C curve, 10kA	1
9	Power Supply 24V DC	PRO BAS Switched Mode 60W 24V 2.5A	1
10	Solid State Relay	Harmony 12A, Zero voltage switching, Input 200-265V AC, Output 24-280V AC	1
11	Slim Interface Relay Preassembled	Harmony Electromechanical, 6A, 1CO with LED, screw connectors, 24V AC DC	1
12	Emergency Stop Pushbutton	Mushroom Pushbutton 40mm Plastic Rotate to Unlatch	1
22	Earth Neutral Bar	6-Pole 165A	2
25	Earth Stud	Medilec Equipotential	1
26	Terminal Block	Standard feed-through, Screw connection, 4mm2, 32A 800V, Red	1
27	Terminal Block	Standard feed-through, Screw connection, 4mm2, 32A 800V, Black	1
28	Terminal Block	Standard feed-through, Screw connection, 4mm2, 32A 800V, Dark Beige	10
29	Protective Earth Terminal 6mm	Protective Earth, Standard feed-through, Screw connection, 6mm2, 800V, 480A Short-Time Current, Green and Yellow	1



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DRAWN	MW	12/08/2025	CHECKED	DvD	12/08/2025
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DS-B	12/08/2025	As Built. Solid State Relay replaced with AC version
DS-A	12/08/2025	Issued For Approval

REV	DATE	DESCRIPTION
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TITLE: Medical Imaging Distribution Boards
Single Compartment One Isolator
General Arrangement

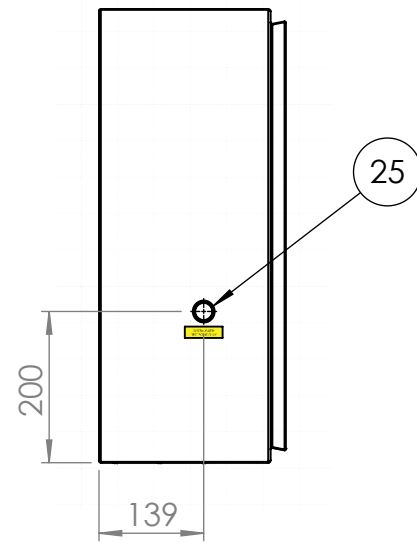
Model
SL1-3200-WNNS

Version
A

Dwg Rev
DS-B

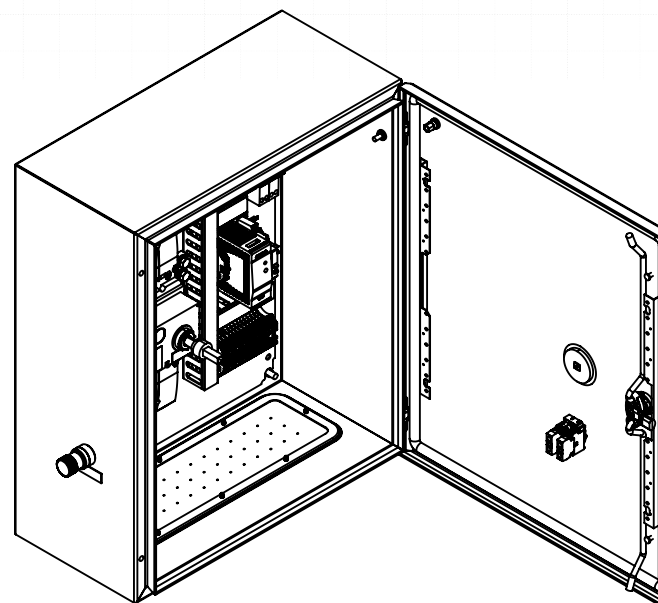
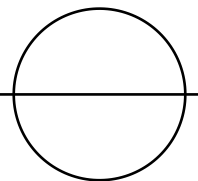
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SHEET 2 OF 3



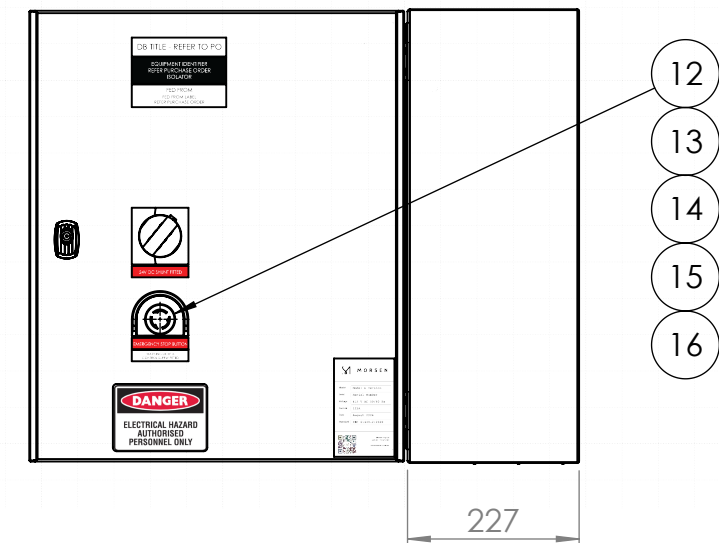
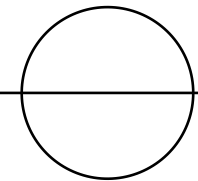
LEFT SIDE

Door Not Shown



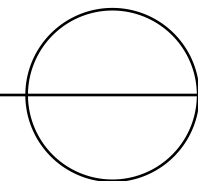
ISOMETRIC


Left-Handed Door



RIGHT SIDE

Door Open



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DS-B	12/08/2025	As Built. Solid State Relay replaced with AC version				SCALE:1:10 A3		SHEET 3 OF 3	
DS-A	12/08/2025	Issued For Approval						Dwg Rev DS-B	
REV	DATE	DESCRIPTION							