

Product Datasheet

Medical Imaging Distribution Boards

Model	SL1-3125-WNNS-G
Description	125 Amps, 3 Poles, with Warning Lights Circuit and Emergency Power Off. Solid State Relay
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-001-018

D e s c Datasheet - Medical Imaging Distribution Boards

M o d e l SL1-3125-WNNS-G

R e v

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20 January, 2026

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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
Ovvovoltage Category (IEC 60364-4-44:2007)	Category III

Short Circuit Protective Device

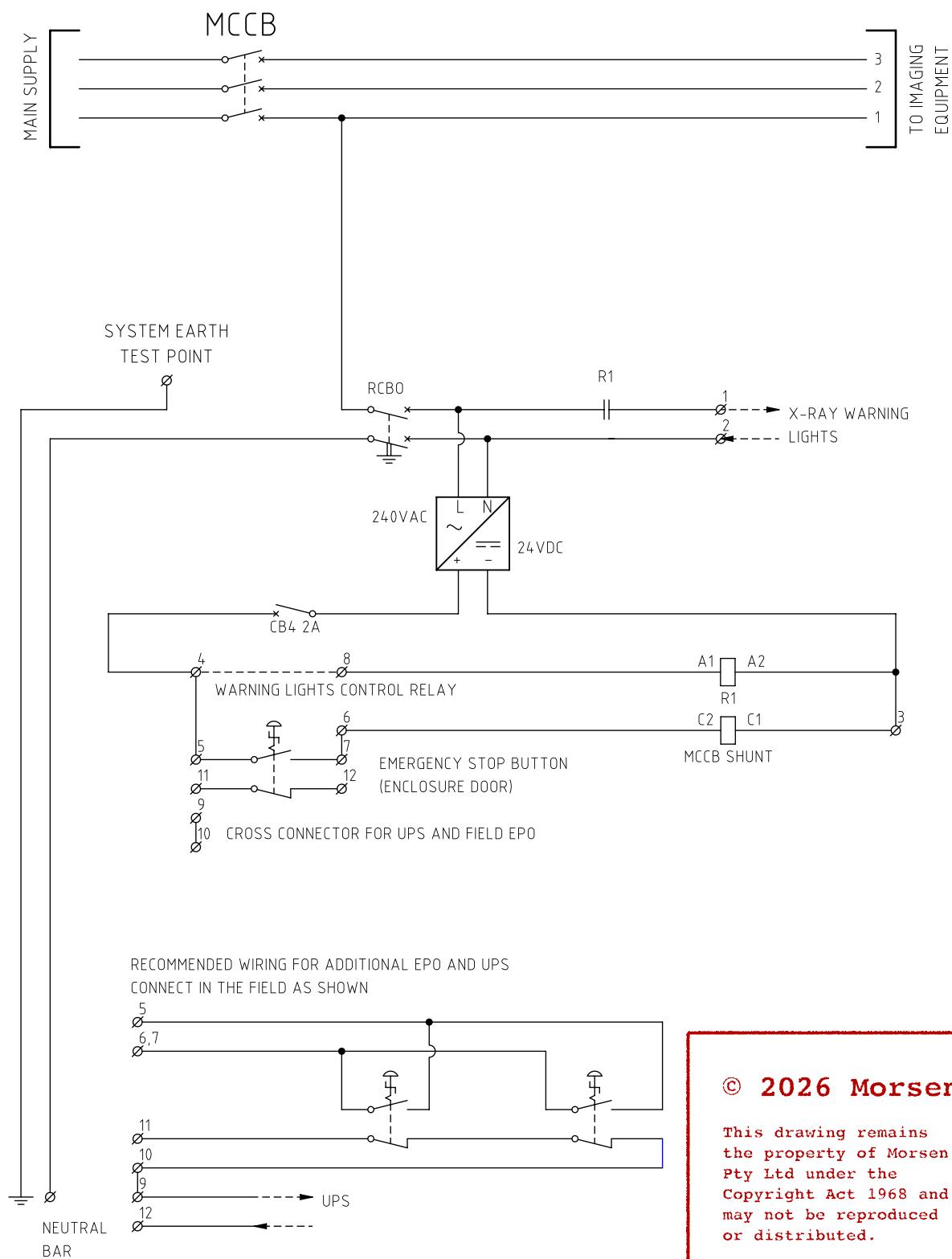
Mechanism	Protection Description
Schneider ComPacT NSX Moulded Case Circuit Breaker	Reflex (mechanical) tripping for high short-circuit currents, with a maximum break time of 10ms.
Micrologic 2.2, 160A	Adjustable short-time protection, 1.5-10xI _r , with fixed delay. Fixed instantaneous protection: cutoff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

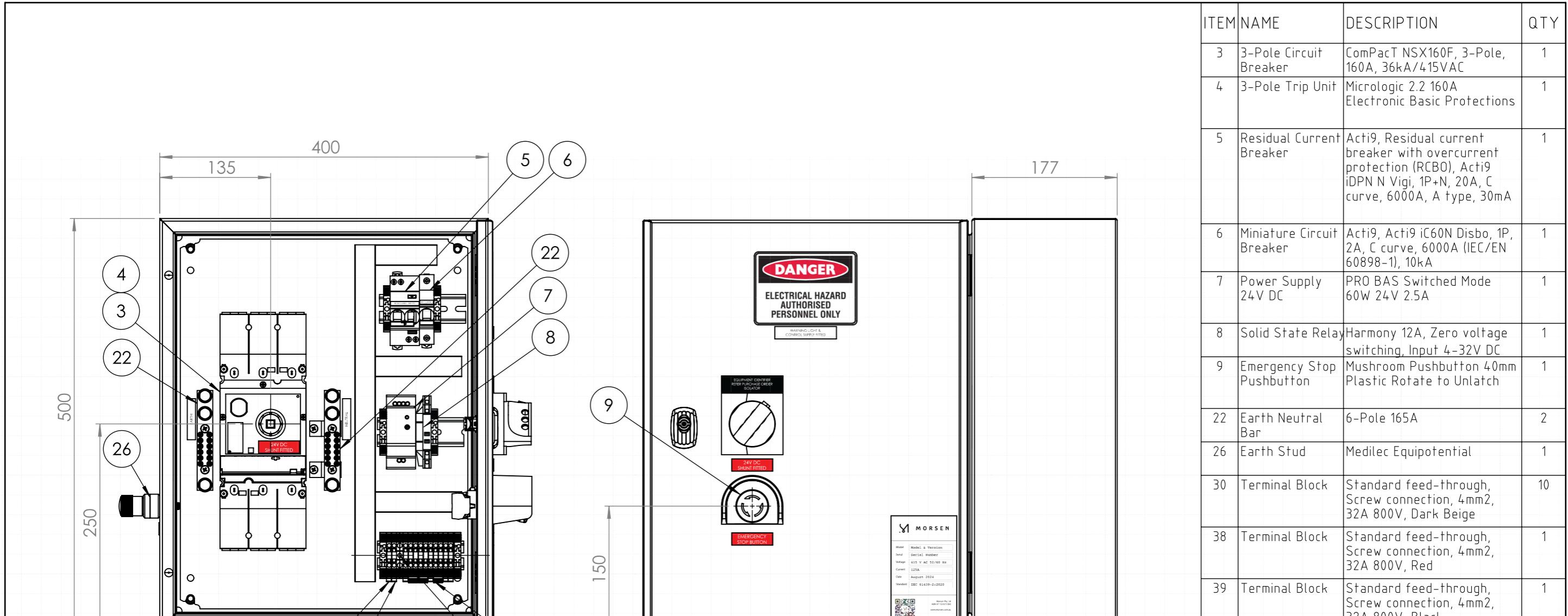


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 MORSEN		Morsen Pty Ltd abn 97 153 873 093 www.morsen.com.au		TITLE: Medical Imaging Distribution Boards Single Compartment One Isolator Electrical Schematic		
DRAWN	MW	20/01/2026	CHECKED	DvD	20/01/2026	
DS-A	21/01/2026	DATASHEET VERSION	Model	SL1-3125-WNNS	Version	G
REV	DATE	DESCRIPTION	SCALE:1:1	A4	SHEET 1 OF 2	



FRONT VIEW

Door Open

RIGHT SIDE

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NOTES

1. Dimensions for component positions are approximate and subject to change without notice



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REV DATE DESCRIPTION

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

Model
SL1-3125-WNNS

Version
G

Dwg Rev
DS-A