

Product Datasheet

Medical Imaging Distribution Boards

Model	SL1-3160-WNNS-B
Description	160 Amps, 3 Poles, with Warning Lights Circuit and Emergency Power Off
Trip Unit	Siemens TM240
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)	160 A
I_{nc} (Current – Main Circuit)	160 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

Doc	MIDB-001-017		
Desc	Datasheet - Medical Imaging Distribution Boards		
Model	SL1-3160-WNNS-B		
Rev	A	12 December, 2025	P 1 of 3

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 600 wide x 200 deep
Weight	25kg
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

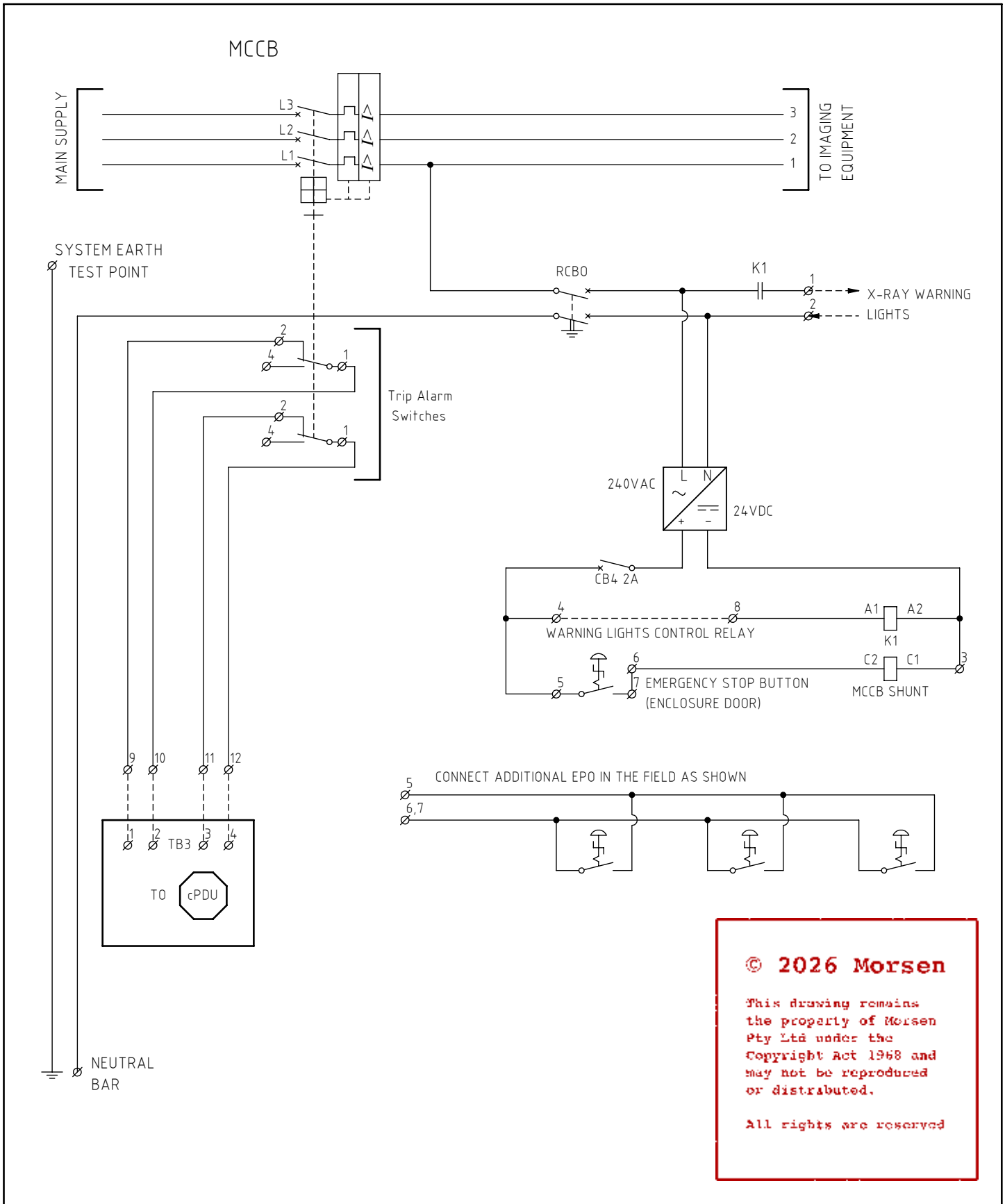
Mechanism	Protection Description
Siemens TM240	36kA Breaking capacity at 415V

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Appendix A - Drawings

Medical Imaging Distribution Boards

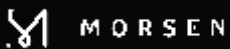
Sheet 1	Electrical Schematic
Sheet 2	General Arrangement
Sheet 3	Additional Views



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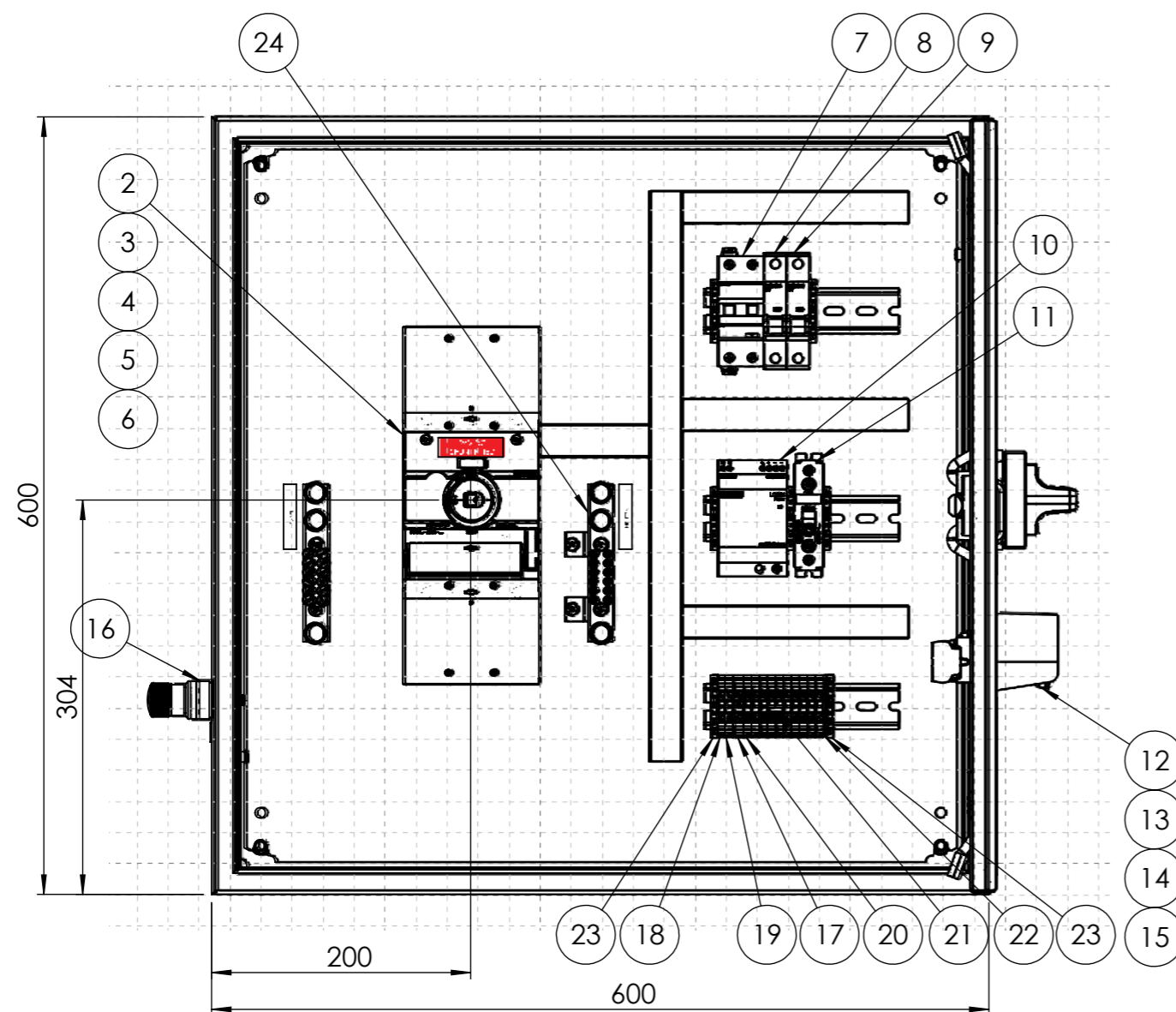
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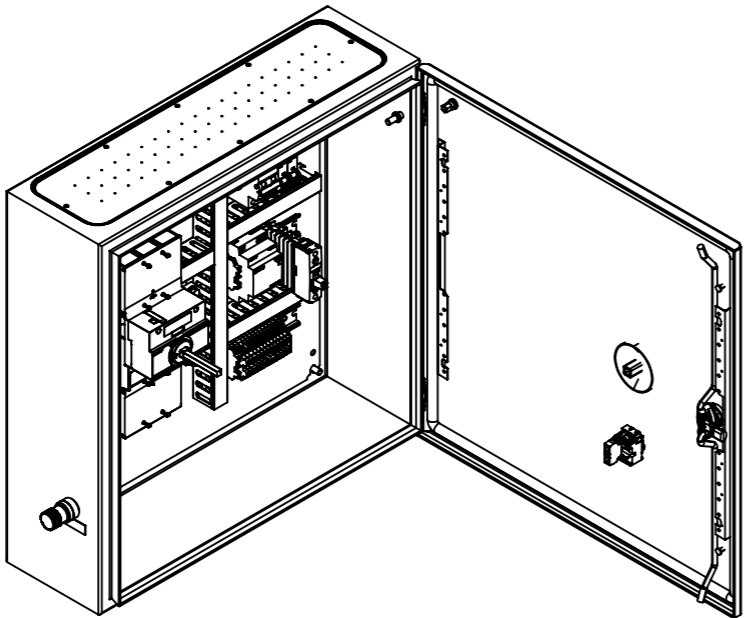
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DRAWN	MW	14/12/2025	CHECKED	DvD	14/12/2025
DS-A	14/12/2025	Datasheet Version			
REV	DATE	DESCRIPTION			

TITLE: Medical Imaging Distribution Boards
Single Compartment One Isolator
Electrical Schematic

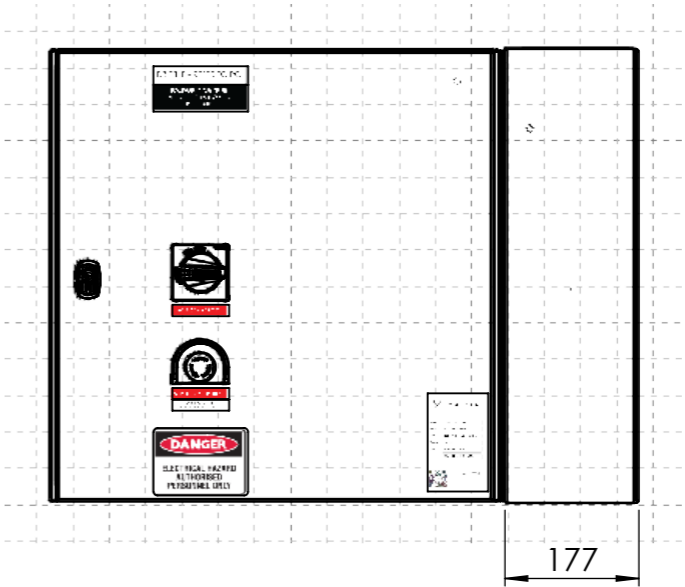
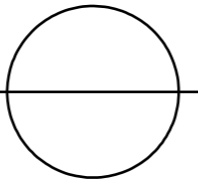
Model	Version	Dwg Rev
SL1-3160-WNNS	B	DS-A
SCALE:1:1 A4	SHEET 1 OF 3	





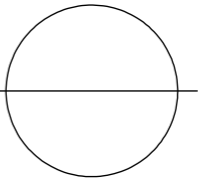
ISOMETRIC

Left-Handed Door



RIGHT SIDE


Door Open



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DRAWN	MW	14/12/2025	CHECKED	DvD	14/12/2025					
						Model		Version		Dwg Rev
DS-A	14/12/2025	Datasheet Version				SL1-3160-WNNS		B		DS-A
REV	DATE	DESCRIPTION				SCALE:1:10 A3		SHEET 3 OF 3		