

# Product Datasheet

## Medical Imaging Distribution Boards

Model	SL1-3200-WNNS-B
Description	200 Amps, 3 Poles, with Warning Lights Circuit and Emergency Power Off. Right-Handed Door
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)	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

Degree of Protection	IP42
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	800mm high x 600mm wide x 300mm deep
Weight	48kg
Form of Internal Separation	2b
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

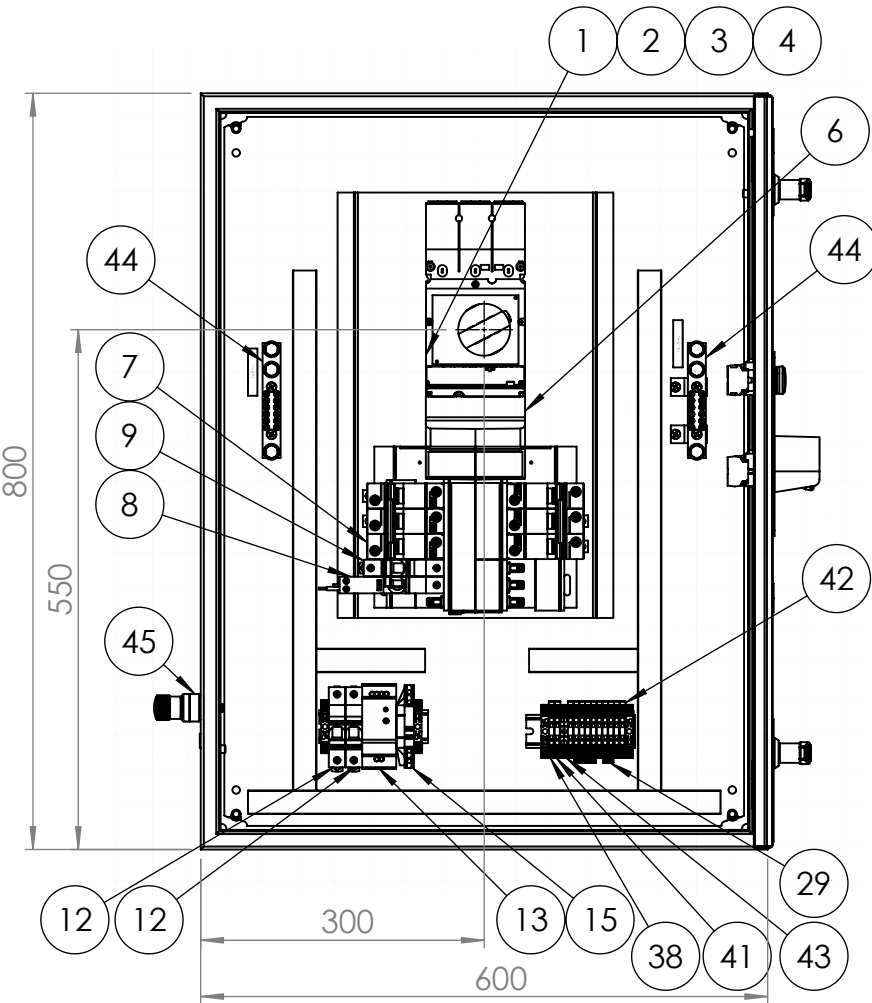
Mechanism	Protection Description
Schneider ComPacT NSX Moulded Case Circuit Breaker	Reflex (mechanical) tripping for high short-circuit currents, with a maximum break time of 10ms.
Micrologic 2.2, 250A	Adjustable short-time protection, 1.5-10xl, with fixed delay. Fixed instantaneous protection: cutoff current $I_i = 3,000A$
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# Appendix A - Drawings

## Medical Imaging Distribution Boards

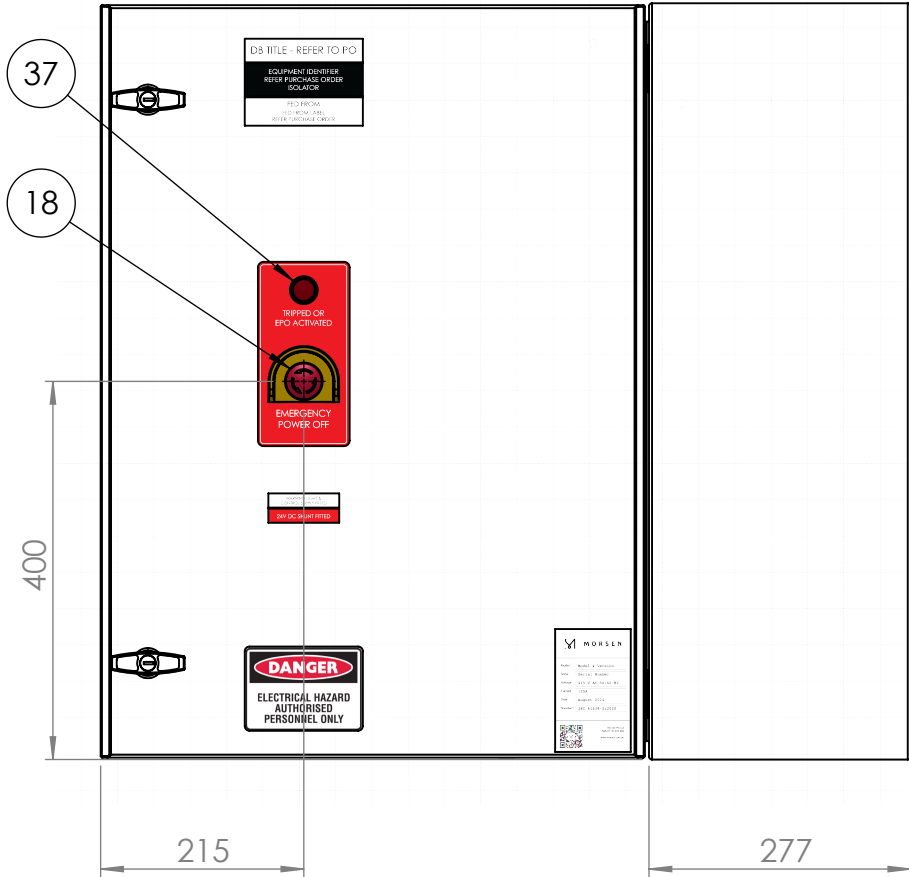
Sheet 1	Electrical Schematic
Sheet 2	General Arrangement
Sheet 3	Additional Views





FRONT VIEW

(Escutcheon Omitted)

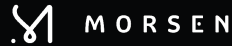


RIGHT SIDE

DOOR OPEN

ITEM	NAME	DESCRIPTION	QTY
1	3-Pole Circuit Breaker	ComPacT NSX250F, 3-Pole, 250A, 36kA/415VAC	1
2	3-Pole Trip Unit	Micrologic 2.2 250A Electronic Basic Protections	1
3	Shunt Trip	MX Series, 24VDC for ComPacT NSX100-250	1
4	Standard Auxiliary Contact	Circuit Breaker Status SD, 1 changeover contact type, screwless spring terminals	1
6	Chassis 12-Pole Hybrid	SAU Hybrid Chassis, Acti9, 250A, 6 poles 18mm and 6 poles 27mm	1
7	3-Pole Miniature Circuit Breaker	Acti9, C120N, 3P, 125A, C curve, 10000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)	2
8	RCBO	Acti9 iC60N RCBO with Overcurrent Protection 1P+Ns, 20A C Curve, 30mA, A type, 6000A	1
9	Miniature Circuit Breaker	Acti9, Acti9 iC60N Disbo, 1P, 10A, C curve, 10kA	1
12	Miniature Circuit Breaker	Acti9, Acti9 iC60N Disbo, 1P, 2A, C curve, 10kA	2
13	Power Supply 24V DC	PRO BAS Switched Mode 60W 24V 2.5A	1
15	Solid State Relay	Harmony 12A, Zero voltage switching, Input 4-32V DC, Output 24-280V AC	1
18	Emergency Stop Pushbutton	Mushroom Pushbutton 40mm Plastic Rotate to Unlatch	1
37	Indicator LED	22mm Round Plastic Red with holder, LED module, with integrated LED 230 V AC screw terminal	1
38	Terminal Block	Standard feed-through, Screw connection, 4mm <sup>2</sup> , 32A 800V, Red	1
41	Terminal Block	Standard feed-through, Screw connection, 4mm <sup>2</sup> , 32A 800V, Black	1
42	Terminal Block	Standard feed-through, Screw connection, 4mm <sup>2</sup> , 32A 800V, Dark Beige	10
43	Protective Earth Terminal 6mm	Protective Earth, Standard feed-through, Screw connection, 6mm <sup>2</sup> , 800V, 480A Short-Time Current, Green and Yellow	1
44	Earth Neutral Bar	6-Pole 165A	2
45	Earth Stud	Medilec Equipotential	1

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



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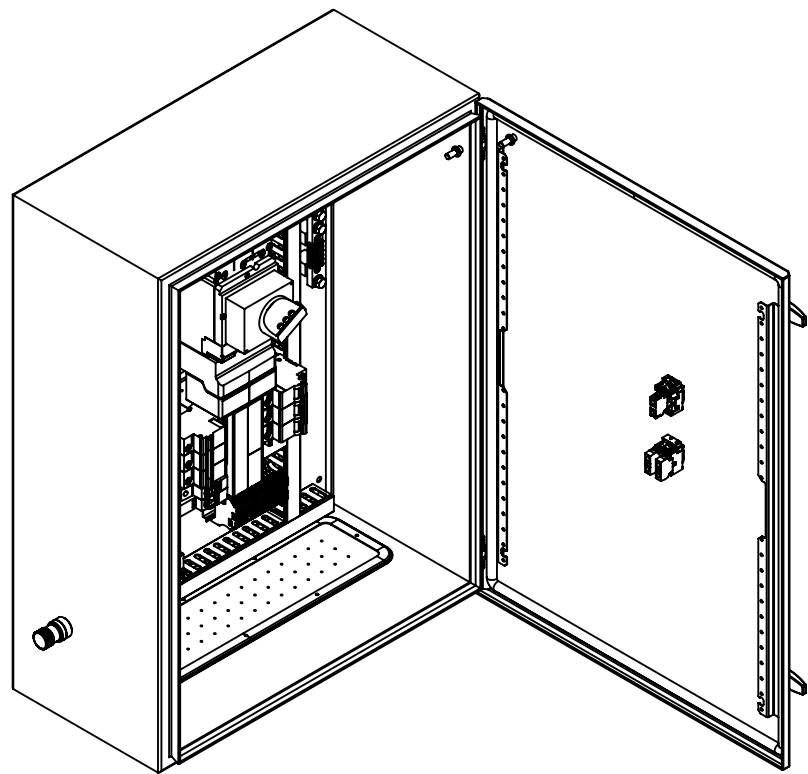
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DRAWN	MW	17/09/2025	CHECKED	
DS-A	17/09/2025	DATASHEET VERSION		
REV	DATE	DESCRIPTION		

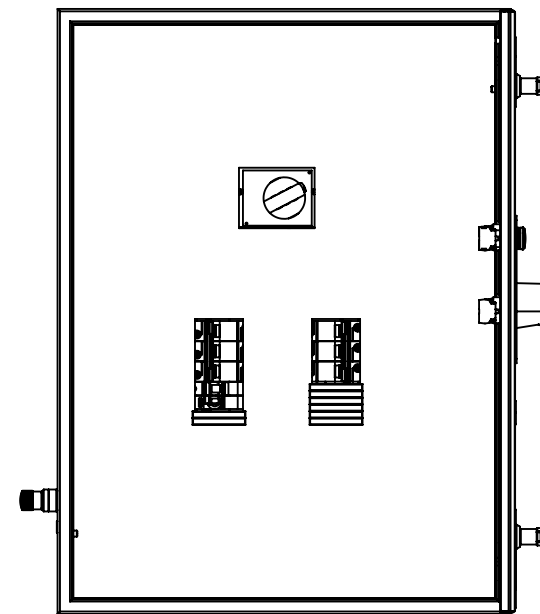
TITLE: Medical Imaging Distribution Boards  
Single Compartment One Isolator  
General Arrangement

Model	SL1-3200-WNNS	Version	B	Dwg Rev	DS-A
SCALE:1:8 A3		SHEET 2 OF 3			




## ISOMETRIC VIEW

Left-Handed Door



## FRONT VIEW

(Escutcheon Closed)

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DRAWN	MW	17/09/2025	CHECKED									
						Model SL1-3200-WNNS		Version B			Dwg Rev DS-A	
DS-A	17/09/2025	DATASHEET VERSION				SCALE:1:10 A3		SHEET 3 OF 3				
REV	DATE	DESCRIPTION										