

Product Datasheet

Medical Imaging Distribution Boards

Model	SL2-3250-WNNS-B
Description	Split Chassis Distribution Board 2x125 Amp, 3 Pole MCCB 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)	250 A
I_{nc} (Current – Main Circuit)	2x 125 A main circuits via individual MCCB
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

D o c	MIDB-001-004
D e s c	Datasheet - Medical Imaging Distribution Boards
M o d e l	SL2-3250-WNNS-B
R e v	B
	25 February, 2024
	P
	1 of 3

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	1,200mm high x 580mm wide x 235mm deep
Weight	65kg
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

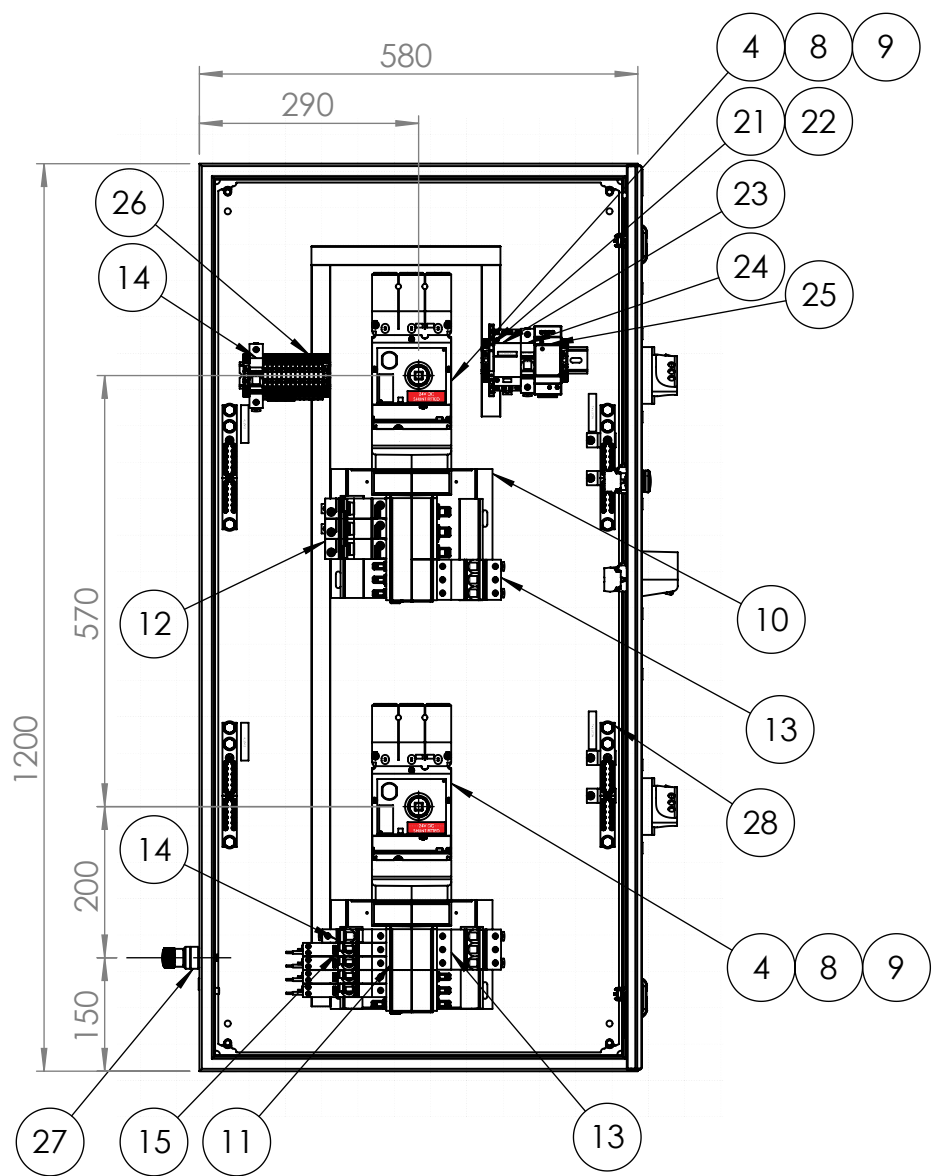
Mechanism	Protection Description
Schneider ComPacT NSX Moulded Case Circuit Breaker	Reflex (mechanical) tripping for high short-circuit currents, with a maximum break time of 10ms.
Micrologic 2.2, 160A	Adjustable short-time protection, 1.5-10xl, with fixed delay. Fixed instantaneous protection: cutoff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

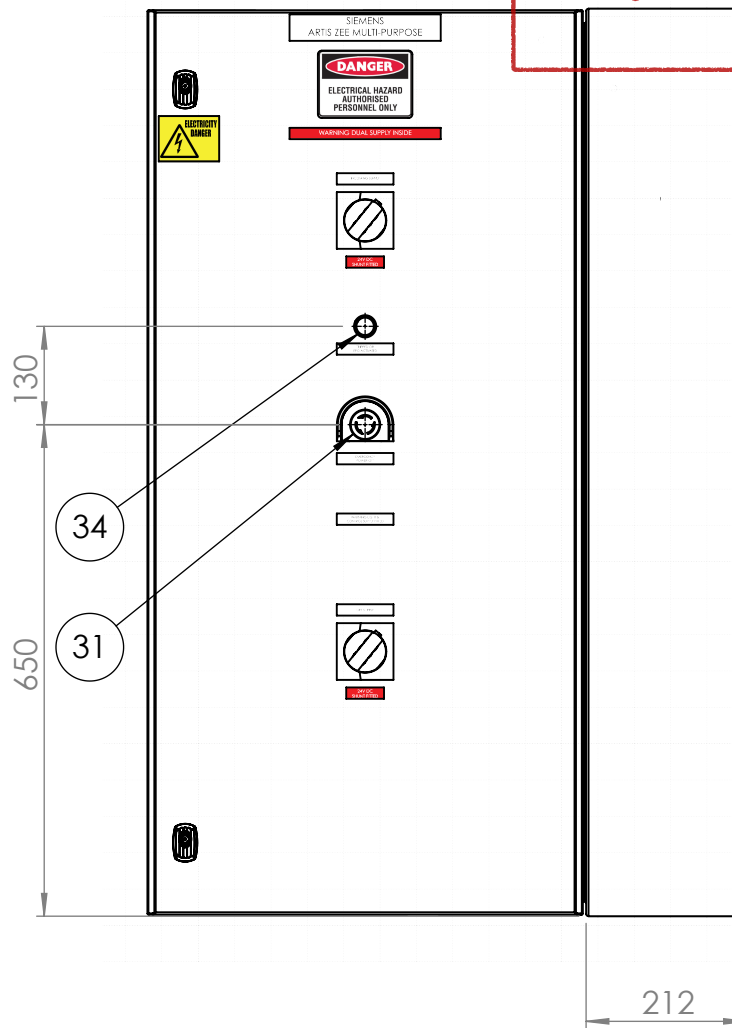
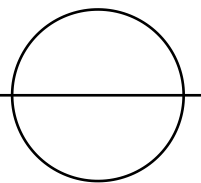
Medical Imaging Distribution Boards

Sheet 1	Electrical Schematic
Sheet 2	General Arrangement

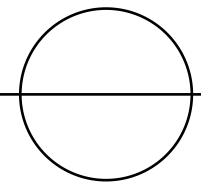


FRONT VIEW

Door Open



RIGHT VIEW



NOTES

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

© 2025 Morsen

This drawing remains the property of Morsen Pty Ltd under the Copyright Act 1968 and may not be reproduced or distributed.

All rights are reserved

ITEM	NAME	DESCRIPTION	QTY
4	3-Pole Circuit Breaker	ComPacT NSX160F, 3-Pole, 160A, 36kA/415VAC	2
8	3-Pole Trip Unit	Micrologic 2.2 160A Electronic Basic Protections	2
9	Standard Auxiliary Contact	Circuit Breaker Status SD, 1 changeover contact type, screwless spring terminals	2
10	Chassis 12-Pole Hybrid	SAU Hybrid Chassis, Acti9, 250A, 6 poles 18mm and 6 poles 27mm	1
11	Chassis 12-Pole 18mm	SAU Chassis, Acti9, 250A, 3P, 12 poles 18mm	1
12	3-Pole Miniature Circuit Breaker	Acti9, C120N, 3P, 80A, C curve, 10000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)	1
13	3-Pole Miniature Circuit Breaker A9F	Acti9, iC60N, 3P, 50A, C curve, 6000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)	2
14	Miniature Circuit Breaker	Acti9, Acti9 iC60N Disbo, 1P, 10A, C curve, 6000A (IEC/EN 60898-1), 10kA	2
15	RCBO	Acti9 iC60N RCBO with Overcurrent Protection 1P+N _s , 20A C Curve, 30mA, A type, 6000A	4
21	Slim Interface Relay Socket	Harmony Electromechanical, Screw Connector, 12-24V AC DC with LED and Protection Circuit	1
22	Slim Interface Relay	Harmony Electromechanical, 6A, 1CO, 24VDC	1
23	Contactor Acti9	ICT 25A 4NO 240VAC 50Hz	1
24	Miniature Circuit Breaker	Acti9, Acti9 iC60N Disbo, 1P, 2A, C curve, 6000A (IEC/EN 60898-1), 10kA	1
25	Power Supply 24V DC Schneider	Power Supply 24V DC	1
26	Terminal Block	Standard feed-through, Screw connection, 4mm ² , 32A 800V, Dark Beige	13
27	Earth Stud	Medilec Equipotential	1
28	Earth Neutral Bar 12-Pole	12-Pole 165A	4
31	Emergency Stop Pushbutton	Mushroom Pushbutton 40mm Plastic Rotate to Unlatch	1
34	Indicator LED	22mm Round Plastic Red with holder, LED module, with integrated LED 230 V AC screw terminal	1

 MORSEN Morsen Pty Ltd abn 97 153 873 093 www.morsen.com.au						TITLE: Medical Imaging Distribution Boards Single Compartment Dual Isolators General Arrangement					
DRAWN	MW	25/02/2025	CHECKED	DvD	25/02/2025						
DS-B	25/02/2025	Modified supply to Control Circuit				Model SL2-3250-WNNS		Version B		Dwg Rev DS-B	
DS-A	12/11/2024	DATASHEET VERSION									
REV	DATE	DESCRIPTION				SCALE:1:10 A3		SHEET 2 OF 2			