

Automatic Transfer Switch Equipment N2M125-220/3(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 80 A to 125 A
- Compliance with IEC 60947-6-1:2021

The N2M125 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (80-125 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M125-220/3(F/T)

220

IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e	400 V
Case Grade		125 A
Rated Operational Current	I_e	80 A / 125 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		3P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / AC 230 V), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Enclosure Material		Glass Fiber Reinforced Unsaturated Polyester (DMC)

Order Information

Ordering Code	220
N2M125-220/3	1212330
N2M125-220/3F	1212331
N2M125-220/3T	1212332
N2M125-220/3FT	1212333



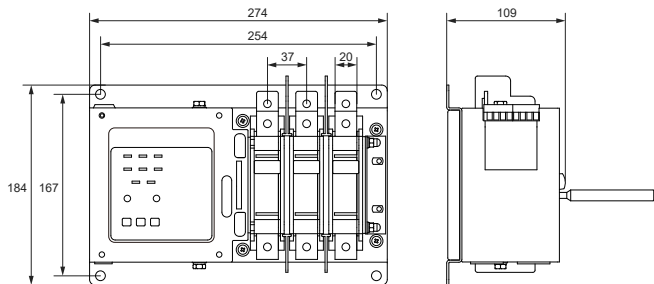
N2M125-220/3(F/T)

Wiring Instructions



- ① Terminal Block for Main Power A & Standby Power B
- ② Nameplate
- ③ Commissioning Handle
- ④ Mechanical Indicator of Power Transfer
- ⑤ Mounting Base
- ⑥ Standby Power Terminals
- ⑦ Main Power Terminals
- ⑧ Terminal Block Modules
- ⑨ Load Terminals

Dimensions & Packaging

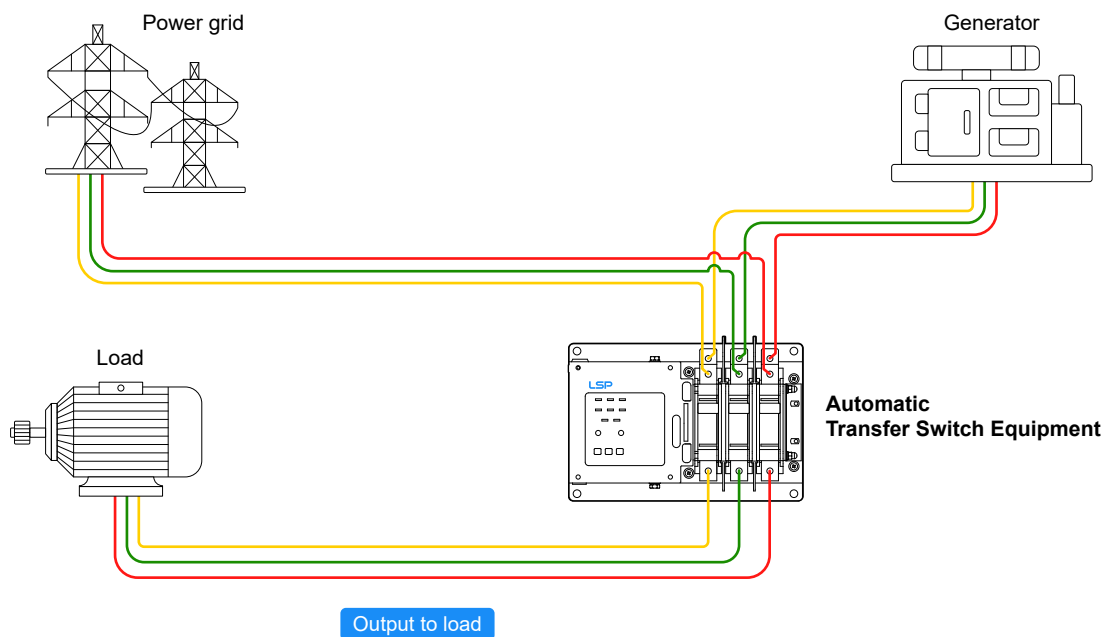


[mm]

Packing Information

Units per Carton	1 pcs
Product / Inner box / Carton Weight	5.02 kg / 0.88 kg
Net / Gross Weight per Carton	5.02 kg / 5.9 kg
Dimensions (H × W × L)	[180 × 250 × 370 mm]

Easy Installation Instructions



Automatic Transfer Switch Equipment N2M125-220/4(F/T)



- PC-Class change-over switch
- Dual power supply design: power supply A (main) and power supply B (standby)
- Supports AC systems with a rated current of 80 A to 125 A
- Compliance with IEC 60947-6-1:2021

The N2M125 series ensures reliable power for critical applications (e.g., fire protection, telecom, healthcare) with fast switching between main and backup power sources (utility grid, generator, or battery). It features an excitation mechanism, microcomputer control, intelligent monitoring, and strong EMC, operating at 220 V without additional control power. Suitable for three-phase systems (80-125 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

Technical Data

N2M125-220/4(F/T)

220

IEC Electrical

Rated Voltage (Phase-to-Neutral) (AC)		230 V
Rated Operational Voltage (Phase-to-Phase) (AC)	U_e	400 V
Case Grade		125 A
Rated Operational Current	I_e	80 A / 125 A
Rated Insulation Voltage (Main Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Main Circuit)	U_{imp}	8 kV
Rated Insulation Voltage (Control Circuit)	U_i	690 V
Rated Impulse Withstand Voltage (Control Circuit)	U_{imp}	4 kV
Rated Short-Time Withstand Current	I_{cw}	10 kA
Rated Short-Circuit Making Capacity	I_{cm}	17 kA
Rated Frequency		50 Hz
Automatic Switching Time (A to B)		≤ 900 ms
Load Disconnect Time		≤ 100 ms
Pole Number		4P
Usage Category		AC-33B
TSE Class		PC-Class
Control Circuit		155-300 V AC, 50 Hz
Auxiliary Circuit		70% - 120% U_e , 50 Hz, $I_e = 6 A$
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		20000 times
Electrical Life		6000 times
Operating Cycle		One operation per 10 s
Additional Functions		F (Mains to Generator) Automatic generator start/stop supported T (Communication) External communication interface
Generator Start Control		One normally open output (3 A / AC 230 V), immediate start, 5 s stop delay
Return Transfer Delay (B to A)		Adjustable from 0 to 30 s
Enclosure Material		Glass Fiber Reinforced Unsaturated Polyester (DMC)

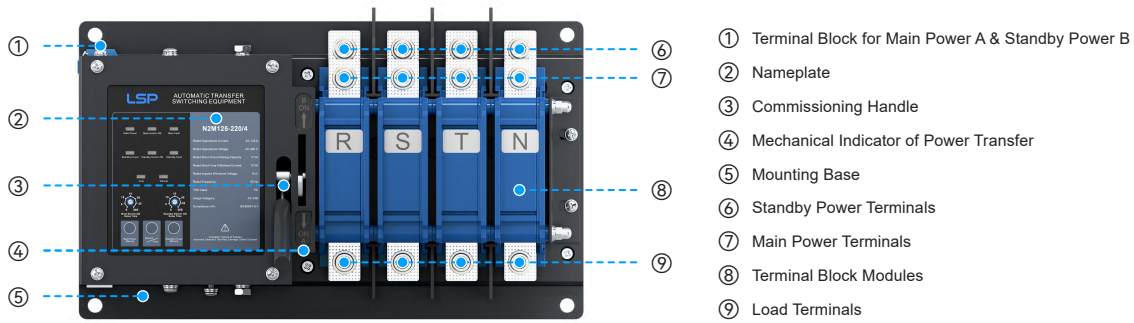
Order Information

Ordering Code	220
N2M125-220/4	1212430
N2M125-220/4F	1212431
N2M125-220/4T	1212432
N2M125-220/4FT	1212433

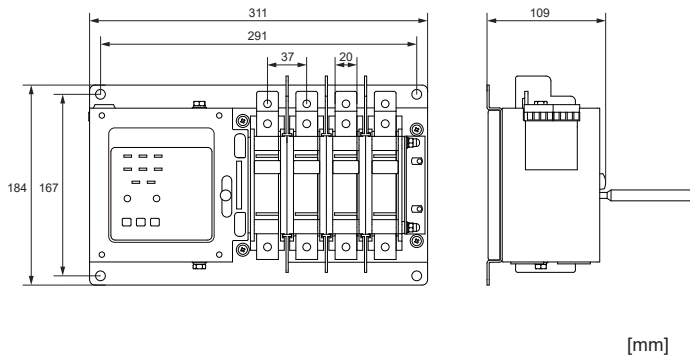


N2M125-220/4(F/T)

Wiring Instructions



Dimensions & Packaging



Packing Information

Units per Carton	1 pcs
Product / Inner box / Carton Weight	5.7 kg / 1.3 kg
Net / Gross Weight per Carton	5.7 kg / 7.0 kg
Dimensions (H × W × L)	[180 × 250 × 370 mm]

Easy Installation Instructions

