

# Automatic Transfer Switch Equipment N2M400-220/4(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 315 A to 400 A
- Compliance with IEC 60947-6-1:2021

The N2M400 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 (315-400 A), it supports automatic and manual transfer, complying with IEC 60947-6-1.

## Technical Data

N2M400-220/4

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	$I_e$	315 A / 400 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 / 1 s
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, $I_e=10$ A
Overvoltage / Undervoltage Protection Range		Undervoltage Value: 165 V / Overvoltage Value: 270 V
Mechanical Life		8000 times
Electrical Life		3000 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

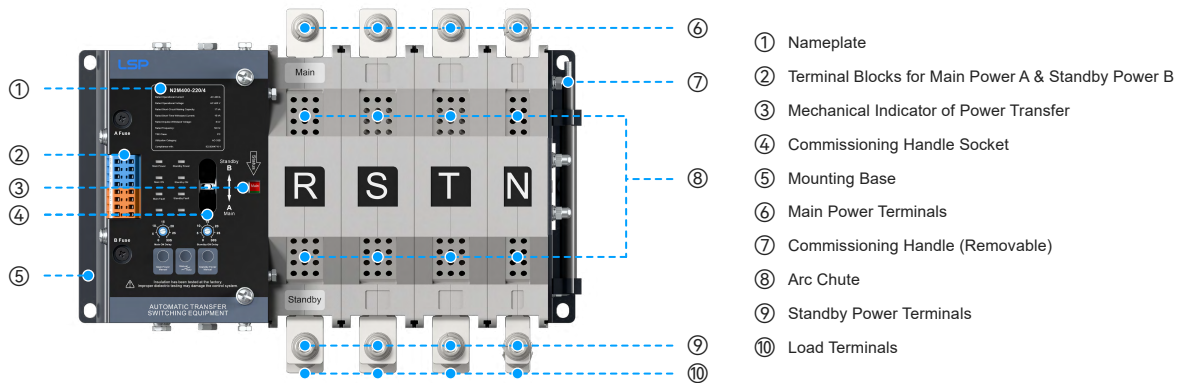
### Order Information

Ordering Code	220
N2M400-220/4	4012430
N2M400-220/4F	4012431
N2M400-220/4T	4012432
N2M400-220/4FT	4012433

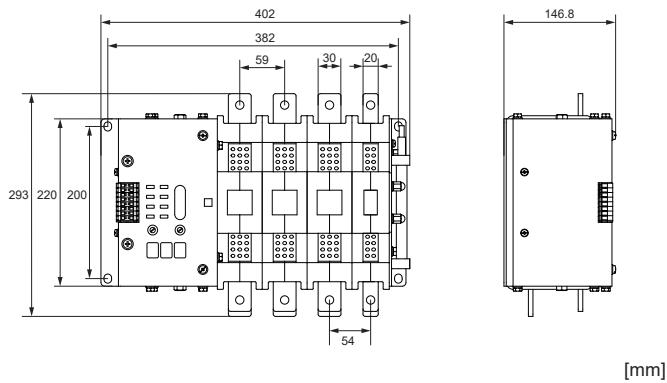


## N2M400-220/4(F/T)

### Wiring Instructions



### Dimensions & Packaging



#### Packing Information

Units per Carton	1 pcs
Product / Inner box / Carton Weight	18.8 kg / 1.1 kg
Net / Gross Weight per Carton	18.8 kg / 19.9 kg
Dimensions (H × W × L)	[240 × 330 × 550 mm]

### Easy Installation Instructions

