

# High Current Panel and Rack Mount Magnetic Circuit Breakers

The NDB3-100 series is a panel or rack mount circuit breaker family. The robust line can be screw, snap-in or plug mounted. The NDB3-100 is available in one; two or three pole, 1 to 100 amps, and with short, medium and long delay AC or DC trip curves. The easy to read printing can be specified in either the vertical or the horizontal position.



One Pole



Two Pole



Three Pole

## Features:

- UL489
- AC and DC operation
- Screw, snap-in or plug mounted
- 1 to 100 amp ratings
- ROHS Compliant
- Easy to read printing

## Provide protection for:

- Telecommunications
- Railway locomotive
- Medical Equipment
- UPS Equipment

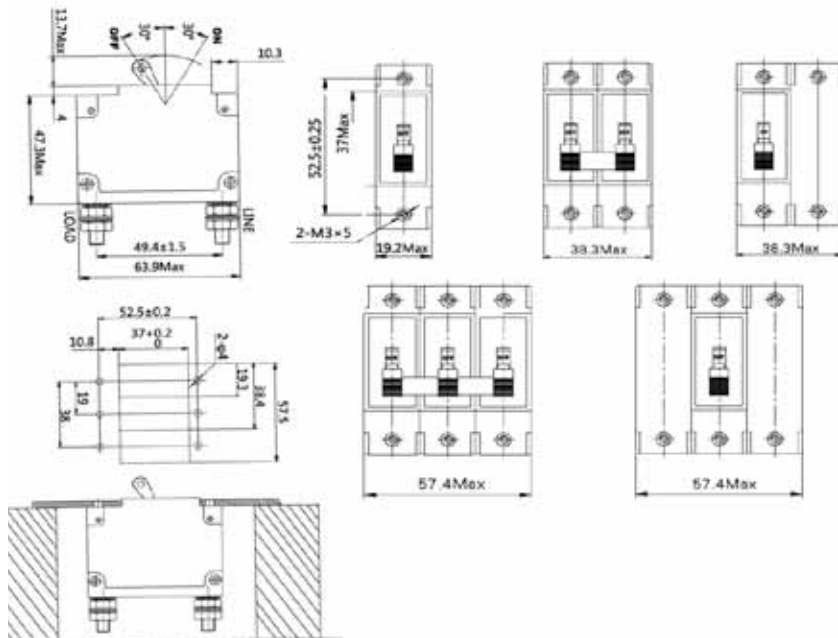
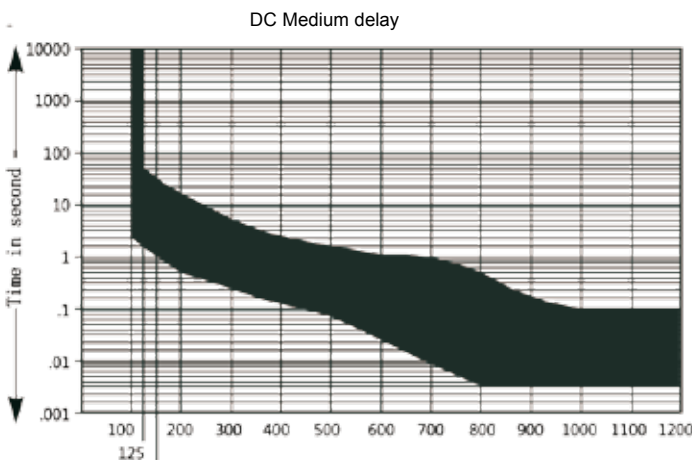
## DC Medium Delay Trip Curve

| Rated Current (Amps) | One Pole               | Two Pole               | Three Pole             |
|----------------------|------------------------|------------------------|------------------------|
| 1                    | NDB3-100Z41-1LSS1A0K   | NDB3-100Z41-2LSS1A0K   | NDB3-100Z41-3LSS1A0K   |
| 2                    | NDB3-100Z42-1LSS1A0K   | NDB3-100Z42-2LSS1A0K   | NDB3-100Z42-3LSS1A0K   |
| 3                    | NDB3-100Z43-1LSS1A0K   | NDB3-100Z43-2LSS1A0K   | NDB3-100Z43-3LSS1A0K   |
| 4                    | NDB3-100Z44-1LSS1A0K   | NDB3-100Z44-2LSS1A0K   | NDB3-100Z44-3LSS1A0K   |
| 5                    | NDB3-100Z45-1LSS1A0K   | NDB3-100Z45-2LSS1A0K   | NDB3-100Z45-3LSS1A0K   |
| 6                    | NDB3-100Z46-1LSS1A0K   | NDB3-100Z46-2LSS1A0K   | NDB3-100Z46-3LSS1A0K   |
| 8                    | NDB3-100Z48-1LSS1A0K   | NDB3-100Z48-2LSS1A0K   | NDB3-100Z48-3LSS1A0K   |
| 10                   | NDB3-100Z410-1LSS1A0K  | NDB3-100Z410-2LSS1A0K  | NDB3-100Z410-3LSS1A0K  |
| 12                   | NDB3-100Z412-1LSS1A0K  | NDB3-100Z412-2LSS1A0K  | NDB3-100Z412-3LSS1A0K  |
| 15                   | NDB3-100Z415-1LSS1A0K  | NDB3-100Z415-2LSS1A0K  | NDB3-100Z415-3LSS1A0K  |
| 16                   | NDB3-100Z416-1LSS1A0K  | NDB3-100Z416-2LSS1A0K  | NDB3-100Z416-3LSS1A0K  |
| 20                   | NDB3-100Z420-1LSS1A0K  | NDB3-100Z420-2LSS1A0K  | NDB3-100Z420-3LSS1A0K  |
| 24                   | NDB3-100Z424-1LSS1A0K  | NDB3-100Z424-2LSS1A0K  | NDB3-100Z424-3LSS1A0K  |
| 25                   | NDB3-100Z425-1LSS1A0K  | NDB3-100Z425-2LSS1A0K  | NDB3-100Z425-3LSS1A0K  |
| 30                   | NDB3-100Z430-1LSS1A0K  | NDB3-100Z430-2LSS1A0K  | NDB3-100Z430-3LSS1A0K  |
| 35                   | NDB3-100Z435-1LSS1A0K  | NDB3-100Z435-2LSS1A0K  | NDB3-100Z435-3LSS1A0K  |
| 40                   | NDB3-100Z440-1LSS1A0K  | NDB3-100Z440-2LSS1A0K  | NDB3-100Z440-3LSS1A0K  |
| 45                   | NDB3-100Z445-1LSS1A0K  | NDB3-100Z445-2LSS1A0K  | NDB3-100Z445-3LSS1A0K  |
| 50                   | NDB3-100Z450-1LSS1A0K  | NDB3-100Z450-2LSS1A0K  | NDB3-100Z450-3LSS1A0K  |
| 60                   | NDB3-100Z460-1LSS1A0K  | NDB3-100Z460-2LSS1A0K  | NDB3-100Z460-3LSS1A0K  |
| 70                   | NDB3-100Z470-1LSS1A0K  | NDB3-100Z470-2LSS1A0K  | NDB3-100Z470-3LSS1A0K  |
| 80                   | NDB3-100Z480-1LSS1A0K  | NDB3-100Z480-2LSS1A0K  | NDB3-100Z480-3LSS1A0K  |
| 90                   | NDB3-100Z490-1LSS1A0K  | NDB3-100Z490-2LSS1A0K  | NDB3-100Z490-3LSS1A0K  |
| 100                  | NDB3-100Z4100-1LSS1A0K | NDB3-100Z4100-2LSS1A0K | NDB3-100Z4100-3LSS1A0K |

## Specifications

Number of Poles: 1, 2 & 3  
 Rated Voltage: AC 230/400  
 DC 80

Min. Amp Rating: 1A  
 Max. Amp Rating: 100A  
 Interrupting Capacity: 4kA  
 Mechanical Life: 10,000 Operations  
 Operating Temp. Range: -40°C - 85°C  
 Agency Approvals: UL489, CE, TUV, ROHS



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