

NOARK

# A40H3FV4000

ACB - 1800466 - UL1066 - 4000A frame - 3P3d - 4000A rated - rear fixed vertical connection - 800Vac - 100kA

Fixed-type Air Circuit Breaker (ACB) - UL1066 - NOARK (A40 series) - 3-poles (3P3d) - Rated current 4000A - Interrupting capacity 100kA (254-635Vac) - Rear fixed-type vertical connection pads - equivalent to 1800466

## Additional information

The technical information provided in the datasheet is subject to change without notice. For confirmation, please contact NOARK's product support team.

## Specifications

| | |
|---|---|
| **Primary brand** | NOARK |
| **Main function** | Air Circuit Breaker (ACB) |
| **Product series / family name** | Electrical protection > Circuit breakers > Air Circuit Breakers (ACBs) > Fixed |
| **Sub-range name** | A40 series |
| **Functions** | Fixed-type Air Circuit Breaker (ACB) |
| **Poles** | 3-poles (3P3d) |
| **Rated current** | 4000A |
| **Rated voltage (AC)** | 800Vac (50/60Hz) |
| **Connection type** | Rear fixed-type vertical connection pads<br>(more advanced electrical circuits mechanical design; lower breaker derating) |
| **Short circuit breaking rating** | 100kA (254-635Vac)<br>85kA (847Vac) |
| **Short circuit withstand current (Icw)** | 100kA (480Vac)<br>100kA (480Vac)<br>100kA (600Vac)<br>100kA (800Vac) |
| **Dimensions** | H391.9mm x W451.1mm x D310.4mm<br>H15.43" x W17.76" x D12.22" |
| **Order code / Manufacturer SKU** | A40H3FV4000<br>1800466 |

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| | |
|---|---|
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1800466 |
| **Compliant with standard(s)** | UL1066<br>UL1066 (low-voltage AC and DC power circuit breakers)<br>ANSI C37.13 (low-voltage power circuit breakers)<br>ANSI C37.16 (low-voltage power circuit breakers ratings; related requirements and applications)<br>ANSI C37.17 (IEEE standard for trip systems)<br>ANSI C37.50 (low-voltage AC power circuit breakers; test procedure) |
| **Electrical durability** | (635Vac) 4000 hours<br>(847Vac) 3000 hours |
| **Mechanical durability** | 10000 hours |

## Benefits

A40 Power Circuit Breakers conform with ANSI C37.13, C37.16, C37.17 and C37.50 standards and are UL 1066 certified.
A40 Power Circuit Breakers are available up to 4000A
A40 Power Circuit Breakers are capable of interrupting ratings up to 100kA at 635 Volts, the maximum voltage can be up to 847Vac.
UL Listed and CSA Certified, the A40 family of products provide design standardization for OEM's no matter where they do business.
A40 breakers offer a broad range of available trip units, accessories, and communications options.
They are the ideal OEM solution for low voltage switchgear and customized power distribution assemblies.
They can be used in Data Centers, Standby Power, Industrial, Healthcare and Commercial applications.

Ratings
- 254Vac to 847Vac
- 4000A
- Interrupting Capacity ratings up to 100kA at 635Vac and 85kA at 847Vac
- Short-Time Withstand, 100kA at 635Vac and 85kA at 847Vac
- 50 or 60Hz operation
- 3 Pole and 4 Pole designs
- 10000 Operations, before maintenance (Mechanical)
- 4000 cycles at 635Vac, 3000 cycles at 847Vac before maintenance (Electrical)
- Meets ANSI C37.13, C37.16, C37.17 and C37.50

Approvals
- UL 1066, Low-Voltage AC and DC Power Circuit Breakers
- ANSI C37.13 Low Voltage Power Circuit Breakers
- ANSI C37.16 Low Voltage Power Circuit Breakers Ratings, Related Requirements and Applications
- ANSI C37.17 - IEEE Standard for Trip Systems
- ANSI C37.50 - Low Voltage AC Power Circuit Breakers, Test Procedure

Protection & Control Options
- LI, LSI, or LSIG Protection

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- Standard LED display
- Color LCD display available
- Optional multi-metering trip unit with total harmonic distortion analysis and waveform capture
- Stored energy operating mechanism
- AC and DC rated motor operator, shunt trip and undervoltage release accessories
- Arc Flash Reduction Maintenance Mode
- ELM10 maintenance Switch, compatible with 'H' model trip unit only.
- Voltage Conversion Module VCM10 for high voltage protections
- Neutral CT NCT12N & RCT-1800 for neutral protections
- Zone Selective Interlocking
- RS-485 Modbus Communication available

Design Features
- UL field-installable accessories
- Compact size with 3P breaker width 17.76 inches (451MM) only
- 3 Pole and 4 Pole designs
- Phase barriers (optional)
- Available as Disconnect Switch (ASD40)

## Documents

NOARK - Power Circuit Breakers and Non-Automatic Switches - Catalog.pdf

NOARK - Power Circuit Breakers and Non-Automatic Switches - A40 ASD40 - Datasheet.pdf

Access to all NOARK drawings

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