

NOARK

ASD32R4DV1600

Air switch-disconnector MCS - 1800166 - UL1066 - 3200A frame - 4P4d - 1600A rated - withdrawable vertical connection - 600Vac

Withdrawable / drawout front-operated power switch-disconnector (MCS) - 85kA interrupting/short time withstanding rating - non-fusible - UL1066 - NOARK (ASD32 series) - 4-poles (4P4d) - Rated current 1600A - Withdrawable / drawout chassis with rear vertical connection pads - 3200A frame - equivalent to 1800166

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	Switch-disconnector
Product series / family name	Electrical protection > Disconnector switches > AC non-automatic power switch-disconnectors
Sub-range name	ASD32 series
Functions	Withdrawable / drawout front-operated power switch-disconnector (MCS)
Design	85kA interrupting/short time withstanding rating non-fusible 3200A frame
Poles	4-poles (4P4d)
Rated current	1600A
Rated voltage (AC)	600Vac
Connection type	Withdrawable / drawout chassis with rear vertical connection pads (more advanced electrical circuits mechanical design; lower breaker derating)
Short circuit withstand current (Icw)	85kA (240Vac) 85kA (480Vac) 85kA (600Vac)
Dimensions	H430mm x W549.9mm x D540mm H16.93" x W21.65" x D21.26"

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Order code / Manufacturer SKU	ASD32R4DV1600 1800166
Manufacturer product status	Commercialized
Equivalent to	1800166
Compliant with standard(s)	UL1066 UL1066 (low-voltage AC and DC power circuit breakers) CSA C22.2 No.31 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)
Electrical durability	6000 hours
Mechanical durability	10000 hours

Benefits

NOARK Electric is proud to offer its A32 family of Power Circuit Breakers, Non-Automatic Disconnect Switches, and accessories.
Our A32 products are optimized for OEMs and are manufactured under world-class quality systems in our ISO accredited factories.
Like all NOARK products, these breakers are designed to deliver high quality, superior performance, and outstanding value.

A32 Power Circuit Breakers are available up to 3200 amps and are capable of IC ratings up to 100kA at 635 Volts.
UL Listed and CSA Certified, the A32 family of products provide design standardization for OEM's no matter where they do business.
A32 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
- 800A through 3200A
- IC ratings up to 100kA at 635V
- Short-Time Withstand, 100kA at 635V
- 50 or 60Hz operation
- 3 Pole and 4 Pole designs
- 10000 Operations, before maintenance (Mechanical)
- 6000 Operations, 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
- CSA C22.2 No. 31
- ANSI C37.13 Low Voltage Power Circuit Breakers

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- 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
- 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
- Zone Selective Interlocking
- RS-485 Modbus Communication available

Design Features
- UL/CSA field-installable accessories
- Rear horizontal or vertical connections
- Through-the-door design
- 3 Pole and 4 Pole designs
- OEM optimized Cassette
- Phase barriers (optional)
- Available as Disconnect Switch (ASD32)

Documents

E-PLAN - NOARK - ASD32R4DV1600 - Part details

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

Access to all NOARK drawings

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