

NOARK

# Ex9CA32D22U

Safety contactor - 1322042 - Ex9CA - 32A - 240Vdc - 3P (3NO) - 2NO+2NC aux. contacts

Safety contactor - NOARK (Ex9CA series) - 3-poles (3P; 3NO) - 32A (380/400Vac; AC-3) rated current - 240Vdc coil - 2NO+2NC aux. contact - 15kW (380/400Vac; AC-3) / 5HP (220-240Vac; single-phase; UL) / 20HP (440-480Vac; 3-phase; UL) rated power - DIN rail mounting (35mm) - Direct On Line (DOL) / FVNR (Full-Voltage Non-Rv.) - equivalent to 1322042

## 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

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|---|---|
| **Primary brand** | NOARK |
| **Main function** | Contactor |
| **Product series / family name** | Industrial controls > Contactors > Safety contactors |
| **Sub-range name** | Ex9CA series |
| **Functions** | Safety contactor |
| **Poles** | 3-poles (3P; 3NO) |
| **Rated current** | 32A (380/400Vac; AC-3)<br>21.9A (660/690Vac; AC-3)<br>50A (690Vac; AC-1)<br>10A (AC-12)<br>6A (120Vac; AC-15)<br>3A (230Vac; AC-15)<br>3A (240Vac; AC-15)<br>1.9A (400Vac; AC-15)<br>1.5A (480Vac; AC-15)<br>1.4A (500Vac; AC-15)<br>1.2A (600Vac; AC-15)<br>2.8 (24Vdc; DC-13)<br>1.2 (48Vdc; DC-13)<br>0.55 (110Vdc; DC-13)<br>0.27 (220Vdc; DC-13)<br>0.15 (440Vdc; DC-13)<br>50A (Ith conventional free air thermal current at 40˚C ambient)<br>50A (Ith conventional free air thermal current at 60˚C ambient)<br>35A (Ith conventional free air thermal current at 70˚C ambient)<br>600A (switching capacity; load carrying capacity per UL) |

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| **Rated active power (kW)** | 15kW (380/400Vac; AC-3)<br>18.5kW (660/690Vac; AC-3) |
| **Rated power (HP)** | 20HP (440-480Vac; 3-phase; UL)<br>5HP (220-240Vac; single-phase; UL)<br>3HP (110-120Vac; single-phase; UL)<br>10HP (200-208Vac; 3-phase; UL)<br>10HP (220-240Vac; 3-phase; UL)<br>25HP (550-600Vac; 3-phase; UL) |
| **Rated Voltage (DC)** | 600Vdc (load carrying capacity per UL) |
| **Rated impulse voltage (Uimp)** | 6 kV |
| **Rated insulation voltage (Ui)** | 690 V |
| **Control Voltage (DC)** | 240Vdc<br>192-264Vdc pick-up (0.85...1.1 x Us) -- control voltage above which contactor is guaranteed to close<br>24-180Vdc drop-out (0.1...0.75 x Us) -- control voltage below which contactor is guaranteed to open |
| **Mounting mode** | DIN rail mounting (35mm) |
| **Normally Open (NO) auxliary contacts** | 2 NO contacts |
| **Normally Closed (NC) auxiliary contacts** | 2 NC contacts |
| **Response time** | (closing delay) 100-170ms / 0.1-0.17 s<br>(opening delay) 30-100ms / 0.03-0.1 s |
| **Contacts type** | 2NO+2NC (2 Normally Open + 2 Normally Closed) aux. contacts |
| **Dimensions** | H108mm x W45mm x L100mm<br>H4.25" x W1.77" x L3.94" |
| **Ambient air temperature for operation** | -4˚F...+140˚F / -20˚C...+60 ˚C |
| **Ambient air temperature for storage** | -76˚F...+176˚F / -60˚C...+80 ˚C |
| **Power consumption** | (hold-in) max. 3.5 W<br>(pick-up) max. 70 W |
| **Application type** | Direct On Line (DOL)<br>FVNR (Full-Voltage Non-Rv.)<br>6562ft / 2000m max. height above sea level |
| **Order code / Manufacturer SKU** | Ex9CA32D22U<br>1322042 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1322042 |

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|---|---|
| **Compliant with standard(s)** | UL 60947-1<br>UL 60947-4-1<br>IEC 60947-1<br>IEC 60947-4-1<br>GB/T14048.4<br>Environmental Testing According to IEC 60068-2-1 / IEC 60068-2-2 / IEC 60068-2-11 / IEC 60068-2-30 |
| **Electrical durability** | (AC-4; 380/400V) 40 000 hours<br>(AC-3; 380/400V) 1 200 000 hours<br>(B10D typical lifetime; AC coil) 1 130 000 hours |
| **Mechanical durability** | 10 000 000 hours |
| **Operating rate** | (AC-3) 1000 Cycles/hour<br>(AC-4) 150 Cycles/hour |
| **Degree of pollution** | Class III |

## Benefits

The NOARK Ex9CA Safety Contactor is designed for use in safety function applications.
It offers special features that allow the design of safe control circuits with current ratings up to 38 Amps.
The Normally Closed (NC) Auxiliary contact is a mirror contact to the main contacts and is mechanically linked to the Normally Open (NO) Auxiliary contacts.

This allows for optimal design selections in SRP/CS.
- Positively guided mirror contacts/mechanically linked contacts according to IEC/UL60947-4-1 Annex F, IEC/UL60947-5-1 Annex L
- Mirror contacts/ mechanically linked symbol on the side of Aux block
- Fixed transparent anti-dust cover for easy identification of the device action and prevents the manual operation
- AC or DC operating coils
- Integrated body with built in auxiliary contacts up to 2NC and 2NO
- Integrated surge suppression on DC coil models
- 5-Year limited warranty

## Documents

E-PLAN - NOARK - Ex9CA32D22U - Part details

NOARK - Industrial controls - Catalog.pdf

Access to all NOARK drawings

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