


NOARK

# Ex9CDS50A30B7C

Contactor - 1310453 - Ex9CD - 50A - 24Vac (50/60Hz) - 3P (3NO) - 1NO+1NC aux. contacts

Contactor - NOARK (Ex9CD series) - 3-poles (3P; 3NO) - 50A (220/230Vac; 380/400Vac; AC-3) rated current - 24Vac (50/60Hz) coil - 1NO+1NC aux. contact - Screw connection - 22kW (380/400Vac; AC-3) / 30HP (460Vac; AC-3; 3-phase) rated power - Direct On Line (DOL) / FVNR (Full-Voltage Non-Rv.) - frame size 3 - equivalent to 1310453

## 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** | Contactor |
| **Product series / family name** | Industrial controls > Contactors > Standard contactors > DOL / FVNR |
| **Sub-range name** | Ex9CD series |
| **Functions** | Contactor |
| **Poles** | 3-poles (3P; 3NO) |
| **Rated current** | 50A (220/230Vac; 380/400Vac; AC-3)<br>39A (660/690Vac; AC-3)<br>80A (conventional heating current; AC-1) |
| **Rated active power (kW)** | 22kW (380/400Vac; AC-3)<br>15kW (220/230Vac; AC-3)<br>37kW (660/690Vac; AC-3) |
| **Rated power (HP)** | 30HP (460Vac; AC-3; 3-phase)<br>15HP (200Vac; AC-3; 3-phase)<br>20HP (240Vac; AC-3; 3-phase)<br>30HP (600Vac; AC-3; 3-phase) |
| **Rated insulation voltage (Ui)** | 690 V |
| **Connection type** | Screw connection<br>M8 screw connection (power circuits) |

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| | |
|---|---|
| **Cross-section** | #10AWG...#4AWG / 6mm2...25mm2 conductors (flexible cable with crimped ferrule)<br>2 x #12AWG...#8AWG / 4mm2...10mm2 conductors (flexible cable with crimped ferrule)<br>#10AWG...#4AWG / 6mm2...25mm2 conductors (bare flexible cable)<br>2 x #12AWG...#10AWG / 4mm2...8mm2 conductors (bare flexible cable)<br>#10AWG...#4AWG / 6mm2...25mm2 conductors (rigid cable)<br>2 x #8AWG...#2AWG / 10mm2...35mm2 conductors (rigid cable) |
| **Control Voltage (AC)** | 24Vac (50/60Hz) |
| **Normally Open (NO) auxliary contacts** | 1 NO contacts |
| **Normally Closed (NC) auxiliary contacts** | 1 NC contacts |
| **Contacts type** | 1NO+1NC (1 Normally Open + 1 Normally Closed) aux. contacts |
| **Dimensions** | frame size 3<br>H129mm x W84mm x L174.5mm<br>H5.08" x W3.3" x L6.87" |
| **Ambient air temperature for operation** | 23°F...+140°F / -5°C...+40 °C |
| **Technical compatibility with** | Combines with Ex9RD93 overload relay type |
| **Application type** | Direct On Line (DOL)<br>FVNR (Full-Voltage Non-Rv.) |
| **Order code / Manufacturer SKU** | Ex9CDS50A30B7C<br>1310453 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1310453 |
| **Compliant with standard(s)** | UL 508 (file number E353866)<br>IEC 60947<br>EN 60947<br>CSA<br>CE compliant |
| **Electrical durability** | (AC-4) 150 000 hours<br>(AC-3) 600 000 hours |
| **Mechanical durability** | 8 000 000 hours |
| **Operating rate** | (AC-3) 600 Cycles/hour<br>(AC-4) 300 Cycles/hour<br>(mechanical) 3600 Cycles/hour |
| **Tightening torque** | 3.5 N.m |

## Benefits

The Ex9CDS is a general purpose contactor.

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It is positioned between definite purpose contactors and the fully featured Ex9C line of products.
- AC-3 contactor ratings from 630A and AC-1 contactor ratings to 800A
- Coil voltages from 24-600Vac, 50/60 Hz
- Full Voltage Non-Reversing (FVNR) and Full Voltage Reversing (FVR)
- 5kA at 600Vac
- Built-in NO or NC auxiliary contacts to 32A
- IP 20 finger and back-of hand safe
- 3- and 4-pole versions including 2NO+2NC and 4NO configurations
- 95A mounts on standard 35mm DIN rail (40-95 can also mount on 75mm DIN rail)
- Compatible with Ex9RD thermal overload relays
- Plug-on accessories for reduced installation time
- Coil replacement on standard contactor from 9-630A

Certifications
- UL Listed, File Number E353866
- Certified for Canada according to CSA standards
- IEC/EN 60947
- CE Compliant

## Documents

NOARK - Industrial controls - Catalog.pdf

Access to all NOARK drawings

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