

NOARK

# Ex9CDR12A30G7B

Reversing contactor assembly - 1310099 - Ex9CD - 12A - 120Vac (50/60Hz) - 3P (3NO) - 1NC aux. contact

Reversing contactor assembly - NOARK (Ex9CD series) - 3-poles (3P; 3NO) - 12A (220/230Vac; 380/400Vac; AC-3) rated current - 120Vac (50/60Hz) coil - 1NC aux. contact - Screw connection - 5.5kW (380/400Vac; AC-3) / 7.5HP / 7-1/2HP (460Vac; AC-3; 3-phase) rated power - 2-directions / Reversing (REV) / FVR (Full-Voltage Reversing) - frame size 1 - equivalent to 1310099

## 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 > Reversing / FVR |
| **Sub-range name** | Ex9CD series |
| **Functions** | Reversing contactor assembly |
| **Poles** | 3-poles (3P; 3NO) |
| **Rated current** | 12A (220/230Vac; 380/400Vac; AC-3)<br>8.9A (660/690Vac; AC-3)<br>20A (conventional heating current; AC-1) |
| **Rated active power (kW)** | 5.5kW (380/400Vac; AC-3)<br>3kW (220/230Vac; AC-3)<br>7.5kW (660/690Vac; AC-3) |
| **Rated power (HP)** | 7.5HP / 7-1/2HP (460Vac; AC-3; 3-phase)<br>5HP (200Vac; AC-3; 3-phase)<br>5HP (240Vac; AC-3; 3-phase)<br>7.5HP / 7-1/2HP (600Vac; AC-3; 3-phase) |
| **Rated insulation voltage (Ui)** | 690 V |
| **Connection type** | Screw connection<br>M3.5 screw connection (terminal) |

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| | |
|---|---|
| **Cross-section** | #16AWG...#14AWG / 1mm2...2.5mm2 conductors (flexible cable with crimped ferrule)<br>2 x #16AWG...#14AWG / 1mm2...2.5mm2 conductors (flexible cable with crimped ferrule)<br>#16AWG...#12AWG / 1mm2...4mm2 conductors (bare flexible cable)<br>2 x #16AWG...#14AWG / 1mm2...2.5mm2 conductors (bare flexible cable)<br>#16AWG...#12AWG / 1mm2...4mm2 conductors (rigid cable)<br>2 x #16AWG...#12AWG / 1mm2...4mm2 conductors (rigid cable) |
| **Control Voltage (AC)** | 120Vac (50/60Hz) |
| **Normally Open (NO) auxliary contacts** | 0 NO contacts |
| **Normally Closed (NC) auxiliary contacts** | 1 NC contacts |
| **Contacts type** | 1NC (1 Normally Closed) aux. contact |
| **Dimensions** | frame size 1<br>H78mm x W105mm x L140.5mm<br>H3.07" x W4.13" x L5.53" |
| **Ambient air temperature for operation** | 23°F...+140°F / -5°C...+40 °C |
| **Technical compatibility with** | Combines with Ex9RD25 overload relay type |
| **Application type** | 2-directions / Reversing (REV)<br>FVR (Full-Voltage Reversing) |
| **Order code / Manufacturer SKU** | Ex9CDR12A30G7B<br>1310099 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1310099 |
| **Compliant with standard(s)** | UL 508 (file number E353866)<br>IEC 60947<br>EN 60947<br>CSA<br>CE compliant |
| **Electrical durability** | (AC-4) 200 000 hours<br>(AC-3) 1 000 000 hours |
| **Mechanical durability** | 10 000 000 hours |
| **Operating rate** | (AC-3) 1200 Cycles/hour<br>(AC-4) 300 Cycles/hour<br>(mechanical) 3600 Cycles/hour |
| **Tightening torque** | 0.8 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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