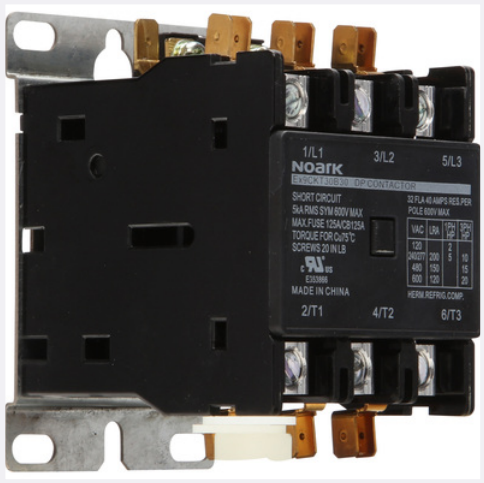



NOARK

# Ex9CKT90B30B7

Definite-purpose (DP) contactor - Ex9CKT - 90A - 24Vac (50/60Hz) - 3P (3NO)

Definite-purpose (DP) contactor - NOARK (Ex9CKT series) - 3-poles (3P; 3NO) - 90A (FLA) rated current - 24Vac (50/60Hz) coil - Lug connection with slot screw for line and load sides + Dual FASTON Quick Connect spade connectors (2 connectors per pole) - 60HP (600Vac; 3-phase) rated power - Direct On Line (DOL) / FVNR (Full-Voltage Non-Rv.)

## 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 > Definite purpose contactors |
| **Sub-range name** | Ex9CKT series |
| **Functions** | Definite-purpose (DP) contactor |
| **Poles** | 3-poles (3P; 3NO) |
| **Resistance (Ω)** | 1.2Ω (nominal coil resistance) |
| **Rated current** | 90A (FLA)<br>90A (at 240/277Vac; 480Vac; 600Vac)<br>120A (Resistive Load Amps; 600Vac)<br>540A (240/277Vac; Locked Rotor Amperes)<br>450A (480Vac; Locked Rotor Amperes)<br>360A (600Vac; Locked Rotor Amperes) |
| **Rated power (HP)** | 60HP (600Vac; 3-phase)<br>7.5HP / 7-1/2HP (110/120Vac; single-phase)<br>15HP (200/208Vac; single-phase)<br>20HP (240/277Vac; single-phase; 88A FLA)<br>25HP (200/208Vac; 3-phase)<br>30HP (240/277Vac; 3-phase)<br>60HP (480Vac; 3-phase)<br>60HP (600Vac; 3-phase; 62A FLA) |
| **Connection type** | Lug connection with slot screw for line and load sides<br>Dual FASTON Quick Connect spade connectors (2 connectors per pole) |

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| | |
|---|---|
| **Cross-section** | #4AWG...#3AWG / 25mm2...35mm2 conductors (Copper rigid cable)<br>#6AWG...#4AWG / 16mm2...25mm2 conductors (Copper flexible stranded cable) |
| **Control Voltage (AC)** | 24Vac (50/60Hz)<br>20.4Vac max. pick-up voltage -- control voltage above which contactor is guaranteed to close<br>4.8Vac min. drop-out voltage -- control voltage below which contactor is guaranteed to open |
| **Normally Open (NO) auxliary contacts** | 0 NO contacts |
| **Normally Closed (NC) auxiliary contacts** | 0 NC contacts |
| **Dimensions** | H133mm x W89mm x D116mm<br>H5.24" x W3.5" x D4.57" |
| **Technical compatibility with** | Recommended protection -- 125A M1N series circuit breaker or 200A class J/class L fuse |
| **Power consumption** | (inrush; 50Hz) 250 VA<br>(inrush; 60Hz) 210 VA<br>(sealed; 50Hz) 30 VA<br>(sealed; 60Hz) 22 VA |
| **Application type** | Direct On Line (DOL)<br>FVNR (Full-Voltage Non-Rv.) |
| **Order code / Manufacturer SKU** | Ex9CKT90B30B7 |
| **Manufacturer product status** | Commercialized |
| **Compliant with standard(s)** | UL 60947-4-1<br>UL 508<br>UL (file number E353866)<br>IEC 60947-4-1<br>EN 60947-4-1<br>CSA C22.2 No.265900<br>CE compliant<br>ARI-780 HVAC<br>Insulation -- Class B 266˚F (130˚C) |
| **Tightening torque** | (main circuit) 5.6 N.m<br>(coil) 0.8 N.m |

## Benefits

Ex9CKT Series DP Contactors provide high performance with both flexibility and reliability.

They are designed to match numerous applications including
- Air conditioning
- Resistive heating
- Refrigeration equipment
- Motors
- Welding

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- Pumps
- Power supplies
- Food service equipment
- Compressors
- Business machines
- Lighting (25-50A)

Available as
- 20-40A, 1- to 4-pole available now
- Enclosed coil standard for all 1- to 4-pole frame sizes
- Industry standard mounting plate provides easily accessible mounting holes
- Connection terminal options, including screw or lug connections each with quick connect spades
- Coil is Class B 266˚F (130˚C) insulation system with a wide range of voltages and 50/60 Hz ratings
- Double E magnet assembly provides optimal performance with reduced power consumption
- Base assembly is made from high arc-resistant polyester
- 100,000 to 250,000 cycles by UL 508/UL60947-4-1 for air resistance heating application

## Documents

NOARK - Industrial controls - Catalog.pdf

Access to all NOARK drawings

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