


NOARK

# Ex9CKT20B10B7

Definite-purpose (DP) contactor - 1314146 - Ex9CKT - 20A - 24Vac (50/60Hz) - 1P (1NO+1shunt)

Definite-purpose (DP) contactor - NOARK (Ex9CKT series) - 1-pole (1P; 1NO+1 shunt) - 20A (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) - 2HP (240Vac; single-phase) rated power - Direct On Line (DOL) / FVNR (Full-Voltage Non-Rv.) - replaces Ex9CK20B10B7 - equivalent to 1314146

## 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** | 1-pole (1P; 1NO+1 shunt) |
| **Resistance (Ω)** | 14.8Ω (nominal coil resistance) |
| **Rated current** | 20A (FLA)<br>25A (at 240/277Vac; 480Vac; 600Vac)<br>35A (Resistive Load Amps; 600Vac)<br>150A (240/277Vac; Locked Rotor Amperes)<br>125A (480Vac; Locked Rotor Amperes)<br>100A (600Vac; Locked Rotor Amperes) |
| **Rated power (HP)** | 2HP (240Vac; single-phase)<br>1HP (120Vac; single-phase) |
| **Connection type** | Lug connection with slot screw for line and load sides<br>Dual FASTON Quick Connect spade connectors (2 connectors per pole) |
| **Cross-section** | #14AWG...#10AWG / 2.5mm2...6mm2 conductors (Copper rigid cable)<br>#14AWG...#12AWG / 2.5mm2...4mm2 conductors (Copper flexible stranded cable) |

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|---|---|
| **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** | H92mm x W55mm x D67mm<br>H3.59" x W2.15" x D2.61" |
| **Technical compatibility with** | Recommended protection -- 50A M1N series circuit breaker or 80A class J/class L fuse |
| **Power consumption** | (inrush; 50Hz) 32 VA<br>(inrush; 60Hz) 31.5 VA<br>(sealed; 50Hz) 9.3 VA<br>(sealed; 60Hz) 9 VA |
| **Application type** | Direct On Line (DOL)<br>FVNR (Full-Voltage Non-Rv.) |
| **Order code / Manufacturer SKU** | Ex9CKT20B10B7<br>1314146 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1314146 |
| **Replaces** | Ex9CK20B10B7 |
| **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) 4.5 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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