

NOARK

Ex9CKT20A10N7

Definite-purpose (DP) contactor - 1314180 - Ex9CKT - 20A - 277Vac (50/60Hz) - 1P (1NO+1shunt)

Definite-purpose (DP) contactor - NOARK (Ex9CKT series) - 1-pole (1P; 1NO+1 shunt) - 20A (FLA) rated current - 277Vac (50/60Hz) coil - #10-32 screw connection with pressure plate 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 Ex9CK20A10N7 - equivalent to 1314180

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)	2050Ω (nominal coil resistance)
Rated current	20A (FLA) 25A (at 240/277Vac; 480Vac; 600Vac) 35A (Resistive Load Amps; 600Vac) 150A (240/277Vac; Locked Rotor Amperes) 125A (480Vac; Locked Rotor Amperes) 100A (600Vac; Locked Rotor Amperes)
Rated power (HP)	2HP (240Vac; single-phase) 1HP (120Vac; single-phase)
Connection type	#10-32 screw connection with pressure plate for line and load sides Phillips screw Dual FASTON Quick Connect spade connectors (2 connectors per pole)
Cross-section	#14AWG...#10AWG / 2.5mm2...6mm2 conductors (Copper rigid cable) #14AWG...#12AWG / 2.5mm2...4mm2 conductors (Copper flexible stranded cable)

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Control Voltage (AC)	277Vac (50/60Hz) 236Vac max. pick-up voltage -- control voltage above which contactor is guaranteed to close 56Vac 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 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 (inrush; 60Hz) 31.5 VA (sealed; 50Hz) 9.3 VA (sealed; 60Hz) 9 VA
Application type	Direct On Line (DOL) FVNR (Full-Voltage Non-Rv.)
Order code / Manufacturer SKU	Ex9CKT20A10N7 1314180
Manufacturer product status	Commercialized
Equivalent to	1314180
Replaces	Ex9CK20A10N7
Compliant with standard(s)	UL 60947-4-1 UL 508 UL (file number E353866) IEC 60947-4-1 EN 60947-4-1 CSA C22.2 No.265900 CE compliant ARI-780 HVAC Insulation -- Class B 266˚F (130˚C)
Tightening torque	(main circuit) 2.3 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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