

NOARK

Ex9CDS50A30E7C

Contactor - 1312650 - Ex9CD - 50A - 48Vac (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 - 48Vac (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 1312650

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) 39A (660/690Vac; AC-3) 80A (conventional heating current; AC-1)
Rated active power (kW)	22kW (380/400Vac; AC-3) 15kW (220/230Vac; AC-3) 37kW (660/690Vac; AC-3)
Rated power (HP)	30HP (460Vac; AC-3; 3-phase) 15HP (200Vac; AC-3; 3-phase) 20HP (240Vac; AC-3; 3-phase) 30HP (600Vac; AC-3; 3-phase)
Rated insulation voltage (Ui)	690 V
Connection type	Screw connection M8 screw connection (power circuits)

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Cross-section	#10AWG...#4AWG / 6mm2...25mm2 conductors (flexible cable with crimped ferrule) 2 x #12AWG...#8AWG / 4mm2...10mm2 conductors (flexible cable with crimped ferrule) #10AWG...#4AWG / 6mm2...25mm2 conductors (bare flexible cable) 2 x #12AWG...#10AWG / 4mm2...8mm2 conductors (bare flexible cable) #10AWG...#4AWG / 6mm2...25mm2 conductors (rigid cable) 2 x #8AWG...#2AWG / 10mm2...35mm2 conductors (rigid cable)
Control Voltage (AC)	48Vac (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 H129mm x W84mm x L174.5mm 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) FVNR (Full-Voltage Non-Rv.)
Order code / Manufacturer SKU	Ex9CDS50A30E7C 1312650
Manufacturer product status	Commercialized
Equivalent to	1312650
Compliant with standard(s)	UL 508 (file number E353866) IEC 60947 EN 60947 CSA CE compliant
Electrical durability	(AC-4) 150 000 hours (AC-3) 600 000 hours
Mechanical durability	8 000 000 hours
Operating rate	(AC-3) 600 Cycles/hour (AC-4) 300 Cycles/hour (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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