

NOARK

Ex9CA1811E7

Safety contactor - 1321960 - Ex9CA - 18A - 48Vac (50/60Hz) - 3P (3NO) - 1NO+1NC aux. contacts

Safety contactor - NOARK (Ex9CA series) - 3-poles (3P; 3NO) - 18A (380/400Vac; AC-3) rated current - 48Vac (50/60Hz) coil - 1NO+1NC aux. contact - 7.5kW (380/400Vac; AC-3) / 3HP (220-240Vac; single-phase; UL) / 10HP (440-480Vac; 3-phase; UL) rated power - DIN rail mounting (35mm) - Direct On Line (DOL) / FVNR (Full-Voltage Non-Rv.) - equivalent to 1321960

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 > Safety contactors
Sub-range name	Ex9CA series
Functions	Safety contactor
Poles	3-poles (3P; 3NO)
Rated current	18A (380/400Vac; AC-3) 10.6A (660/690Vac; AC-3) 32A (690Vac; AC-1) 10A (AC-12) 6A (120Vac; AC-15) 3A (230Vac; AC-15) 3A (240Vac; AC-15) 1.9A (400Vac; AC-15) 1.5A (480Vac; AC-15) 1.4A (500Vac; AC-15) 1.2A (600Vac; AC-15) 2.8 (24Vdc; DC-13) 1.2 (48Vdc; DC-13) 0.55 (110Vdc; DC-13) 0.27 (220Vdc; DC-13) 0.15 (440Vdc; DC-13) 32A (Ith conventional free air thermal current at 40°C ambient) 32A (Ith conventional free air thermal current at 60°C ambient) 22A (Ith conventional free air thermal current at 70°C ambient) 600A (switching capacity; load carrying capacity per UL) 600A (continuous; load carrying capacity per UL)

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Rated active power (kW)	7.5kW (380/400Vac; AC-3) 9kW (660/690Vac; AC-3)
Rated power (HP)	10HP (440-480Vac; 3-phase; UL) 3HP (220-240Vac; single-phase; UL) 1.5HP / 1-1/2HP (110-120Vac; single-phase; UL) 5HP (200-208Vac; 3-phase; UL) 5HP (220-240Vac; 3-phase; UL) 15HP (550-600Vac; 3-phase; UL)
Rated voltage (AC)	600Vac (load carrying capacity per UL)
Rated impulse voltage (Uimp)	6 kV
Rated insulation voltage (Ui)	690 V
Control Voltage (AC)	48Vac (50/60Hz) 40.8-52.8Vac pick-up (0.85...1.1 x Us) -- guaranteed control voltage range where contactor will always close 9.6-36Vac drop-out (0.2...0.75 x Us) -- guaranteed control voltage range where contactor will always open
Mounting mode	DIN rail mounting (35mm)
Normally Open (NO) auxliary contacts	1 NO contacts
Normally Closed (NC) auxiliary contacts	1 NC contacts
Response time	(closing delay) 10-30ms / 0.01-0.03 s (opening delay) 15-25ms / 0.015-0.025 s
Contacts type	1NO+1NC (1 Normally Open + 1 Normally Closed) aux. contacts
Dimensions	H94mm x W45mm x L89mm H3.7" x W1.77" x L3.5"
Ambient air temperature for operation	-4°F...+140°F / -20°C...+60 °C
Ambient air temperature for storage	-76°F...+176°F / -60°C...+80 °C
Power consumption	(pick-up) 120 VA (hold-in) 12 VA
Application type	Direct On Line (DOL) FVNR (Full-Voltage Non-Rv.) 6562ft / 2000m max. height above sea level
Order code / Manufacturer SKU	Ex9CA1811E7 1321960
Manufacturer product status	Commercialized
Equivalent to	1321960

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Compliant with standard(s)	UL 60947-1 UL 60947-4-1 IEC 60947-1 IEC 60947-4-1 GB/T14048.4 Environmental Testing According to IEC 60068-2-1 / IEC 60068-2-2 / IEC 60068-2-11 / IEC 60068-2-30
Electrical durability	(AC-4; 380/400V) 40 000 hours (AC-3; 380/400V) 1 200 000 hours (B10D typical lifetime; AC coil) 1 280 000 hours
Mechanical durability	10 000 000 hours
Operating rate	(AC-3) 1200 Cycles/hour (AC-4) 300 Cycles/hour
Degree of pollution	Class III

Benefits

The NOARK Ex9CA Safety Contactor is designed for use in safety function applications.
It offers special features that allow the design of safe control circuits with current ratings up to 38 Amps.
The Normally Closed (NC) Auxiliary contact is a mirror contact to the main contacts and is mechanically linked to the Normally Open (NO) Auxiliary contacts.

This allows for optimal design selections in SRP/CS.
- Positively guided mirror contacts/mechanically linked contacts according to IEC/UL60947-4-1 Annex F, IEC/UL60947-5-1 Annex L
- Mirror contacts/ mechanically linked symbol on the side of Aux block
- Fixed transparent anti-dust cover for easy identification of the device action and prevents the manual operation
- AC or DC operating coils
- Integrated body with built in auxiliary contacts up to 2NC and 2NO
- Integrated surge suppression on DC coil models
- 5-Year limited warranty

Documents

E-PLAN - NOARK - Ex9CA1811E7 - Part details

NOARK - Industrial controls - Catalog.pdf

Access to all NOARK drawings

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