# MINI CONTACTORS & CONTROL RELAYS



c3controls Series **300 Mini Contactors and Control Relays** are a compact family of control devices for switching motors and other logic control circuits. Our **Series 310 Mini Reversing Contactors** are ideal for reversing motors in applications where panel space is a premium and device modularity is required to satisfy virtually any application requirement. Common accessories enable the devices to be customized for each application.

## DELIVERING SUPERIOR PRODUCT QUALITY AND MANUFACTURING EXCELLENCE

Our Series 300/310 Miniature Contactors and Control Relays are UL Listed and CE marked, meeting global standards requirements.		
Snap-on, front mounted auxiliary contacts install without the use of tools for lower installed costs.		
Wide variety of AC and DC operating coils for control circuit application flexibility.		
35mm DIN rail mounting for all contactors and control relays for fast and easy installation and removal or panel mounting for more secure installation in high shock and vibration applications.		
Can be installed/mounted in multiple orientations, including upside down.		
Modular design allows Series 320 Overload Relays to be easily installed and allows use with the complete range of Series 330 Motor Protection Circuit Breakers and accessories.		
Our product certifications and electrical ratings are clearly marked on the outside of the devices for easy reference during installation.		
Environmentally friendly contacts are cadmium free and non- metallic materials are asbestos, halogen, and cadmium free. All c3controls products are compliant to the RoHS directives.		
IP20 guarded terminals with dual terminal markings prevent accidental contact with live parts.		
Every product is backed by our lifetime warranty—unmatched in the industry—bringing you quality components that perform in the most demanding applications.		
Product availability reduces inventory, and improves cash-flow— saving you money. With c3controls any order for standard catalog items received by 6:00pm ET is guaranteed to ship same-day.		
Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.		



### **UNIQUE PRODUCT LINE FEATURES**

High Fault SCCR

• High fault short circuit current rating of 100kA @ 480V and 600V with Class J fuses, provides safety and reliability in high fault applications.

#### Compact Size

 Leading the industry with our compact miniature 10HP contactors and control relays. One frame size (AC or DC) reduces panel area for lower installed costs – 28% reduction in panel area compared to standard devices.

#### **Integral Auxiliary**

• Integral auxiliary contacts, 1 NO or 1 NC, are standard on all c3controls miniature non-reversing contactors.

#### Seamless Compatibility

 Miniature Reversing Contactors are compatible with direct mounted Series 320-B1 Overload Relays and Series 330 Motor Protection Circuit Breakers.

#### **Common Accessories**

 Designing starter assemblies and panels is easy! No more remembering which auxiliary works with each contactor. Our complete range of Series 300 Miniature Contactors and Control Relays share common accessories, reducing inventory and simplifying installation and assembly.

#### Quick Identification

 Enhanced markings, improved identification labels, and dual IEC and NEMA terminal markings ensure quick identification of product from all angles simplifying troubleshooting in panels with many devices.

\*See c3controls Terms & Conditions



## c3controls<sup>®</sup>

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## **310** MINI CONTACTORS & CONTROL RELAYS

## **SPECIFICATIONS**

UNITSELECTRICAL GENERALRated Querating FrequencyHzRated Coil FrequenciesVACELECTRICAL UL/CSA APPLICATELECTRICAL UL/CSA APPLICATRated Operating Voltage, UeVACGeneral Purpose Current RatingARATED 1PHASE OPERATING CURRENT, Ie10115VAA230VAAATED 1PHASE OPERATING POWER, PE113230VAA200VAA200VAA200VAA460VAA200VAA460VAA200VAA460VAA200VAA755VAA200VAA460VAA755VAA200VAHP1172200VAA755VAHP200VAA755VAHP200VAA755VAHP200VAA755VAHP200VAA755VAHP200VAA755VAHP200VAA755VAHP200VAA755VAHP200VAA755VAA755VAHP755VAA755VAA755VAA755VAA755VAA755VAA755VAA755VAA755VAA755VAA<			
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Rated Coil FrequenciesIELECTRICAL UL/CSA APPLICATIONSRated Operating Voltage, UeVACGeneral Purpose Current RatingA18RATED 1 PHASE OPERATING CURRENT, IeA7.2230VA6.9RATED 1 PHASE OPERATING POWER, PEHP1/3230VHP3/4230VA6.9230VA6.9230VA6.9230VA6.9230VA6.1RATED 3 PHASE OPERATING CURRENT, IeC200VA6.1460VA7.6575VA6.1200VHP1.1/2200VHP1.1/2200VHP1.1/2200VHP1.1/2200VHP1.1/2200VHP5575VA6.1RATED 3 PHASE OPERATING OWER, PEC200VHP1.1/2200VHP1.1/2200VHP5575VA30High Fault Short Circuit CurrentKAMaximum Fuse SizeA30High Fault Short Circuit CurrentKAMaximum Fuse Size (Class J)A18RATED AC-3 OPERATING CURRENT, IeA18RATED AC-3 OPERATING CURRENT, IeA18220 ~ 240VA6.3380 ~ 400VA3.5660 ~ 690VA3.5660 ~ 690VKW3380 ~			
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Rated Operating Voltage, UeVACGeneral Purpose Current RatingA18RATED 1 PHASE OPERATING CURRENT, IeA7.2230VA6.9RATED 1 PHASE OPERATING CURRENT, IEHP1/3230VHP3/4RATED 3 PHASE OPERATING CURRENT, IEC200VA6.9230VA6.9230VA6.9200VA6.9230VA6.1RATED 3 PHASE OPERATING CURRENT, IEC200VA6.1RATED 3 PHASE OPERATING POWER, PEC200VHP1-1/2200VHP1-1/2200VHP1-1/2200VHP1-1/2200VHP5575VHP5575VHP5Standard Short Circuit CurrentKAMaximum Fuse Size (Class J)A15ELECTRICAL IEC APPLICATIONSCRated Operating Voltage, UiVRATED AC-3 OPERATING CURRENT, IEAAt 55° C (131° F)A18RATED AC-3 OPERATING CURRENT, IEA200VA6.3380 ~ 400VA6.3415 ~ 440VA7500VA3.5660 ~ 690VA3.5660 ~ 690VA3.5380 ~ 400VA3.5660 ~ 690VA3.5380 ~ 400VA3.5660 ~ 690VA3.5 <td< td=""><td>AC: 50Hz, 60Hz, 5</td><td></td><td>c</td></td<>	AC: 50Hz, 60Hz, 5		c
Rated Operating Voltage, UeVACGeneral Purpose Current RatingA18RATED 1 PHASE OPERATING CURRENT, IeA7.2230VA6.9RATED 1 PHASE OPERATING POWER, PE115VHP1/3230VA6.9RATED 3 PHASE OPERATING CURRENT, Ie200VA6.9230VA6.9230VA6.9230VA6.9230VA6.1RATED 3 PHASE OPERATING CURRENT, Ie200VA6.1RATED 3 PHASE OPERATING POWER, PE200VHP1-1/2200VHP1-1/2230VHP1-1/2230VHP5575VHP5575VHP5575VHP5575VHP5575VHP5575VHP5575VHP5575VHP5575VHP5575VHP5575VHP558A30High Fault Short Circuit CurrentkAMaximum Fuse Size (Class J)A8A18RATED AC-1 OPERATING CURRENT, IeAAt 55° C (131° F)A18RATED AC-3 OPERATING CURRENT, IeA200VA6.3380 ~ 400VA5660 ~ 690VA3.5 <t< td=""><td></td><td></td><td></td></t<>			
General Purpose Current RatingA18RATED 1 PHASE OPERATING CURRENT, IeA7.2230VA6.9RATED 1 PHASE OPERATING POWER, PEIIISV115VHP1/3230VA6.9RATED 3 PHASE OPERATING CURRENT, IeC200VA6.9230VA6.9230VA6.1RATED 3 PHASE OPERATING POWER, PEC200VA6.1RATED 3 PHASE OPERATING POWER, PEC200VHP1-1/2200VHP1-1/2200VHP1-1/2200VHP1-1/2200VHP5575VHP5575VHP5575VHP5575VHP5575VA158tandard Short Circuit CurrentkAMaximum Fuse Size (Class J)A15ELECTRICAL IEC APPLICATIONSCRated Insulation Voltage, UiVRATED AC-1 OPERATING CURRENT, IeAAt 55° C (131° F)A18RATED AC-3 OPERATING CURRENT, IeA200VA6.3380 ~ 400VA6.3415 ~ 440VA7500VA5.5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, IeC220 ~ 240VA6.3380 ~ 400VA5.5660 ~ 690VA3.57380 ~ 400VKW<	60	0	
RATED 1 PHASE OPERATING CURRENT, Ie     A     7.2       230V     A     6.9       RATED 1 PHASE OPERATING POWER, PE	20	22	22
115V   A   7.2     230V   A   6.9     RATED 1 PHASE OPERATING POWER, PE   1130     115V   HP   1/3     230V   HP   3/4     RATED 3 PHASE OPERATING CURRENT, IE   200V   A     200V   A   6.9     230V   A   6.1     460V   A   7.6     575V   A   6.1     RATED 3 PHASE OPERATING POWER, PE   200V   HP     200V   HP   1-1/2     200V   HP   1-1/2     200V   HP   5     200V   HP   5     200V   HP   5     200V   HP   1-1/2     200V   HP   5     200V   HP   5     575V   HP   5     Standard Short Circuit Current   kA   15     ELECTRICAL IEC APPLICATIONS   Rated Insulation Voltage, Ui   V     Rated Insulation Voltage, Ue   VAC   Rated Thermal Current, Ith   A   18     RATED AC-1 OPERATING CURRENT, Ie   20<	20		
RATED 1 PHASE OPERATING POWER, PEIIISV115VHP1/3230VHP3/4RATED 3 PHASE OPERATING CURRENT, IEIIIISV200VA6.9230VA6460VA7.6575VA6.1RATED 3 PHASE OPERATING POWER, PEIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	7.2	9.8	16
115V     HP     1/3       230V     HP     3/4       RATED 3 PHASE OPERATING CURRENT, le         200V     A     6.9       230V     A     6       460V     A     7.6       575V     A     6.1       RATED 3 PHASE OPERATING POWER, Pe         200V     HP     1-1/2       230V     HP     1-1/2       230V     HP     1-1/2       230V     HP     5       200V     HP     5       230V     HP     5       Standard Short Circuit Current     kA     15       Bated Insulation Voltage, Ui     A     15       Rated Insulation Voltage, Ue     VAC     Rated Deparating Voltage, Ue     A       At 55° C (131° F)     A     18     RATED AC-1 OPERATING CURRENT, le	8	12	12
230V     HP     3/4       RATED 3 PHASE OPERATING CURRENT, IE        200V     A     6.9       230V     A     6.9       230V     A     6.1       460V     A     7.6       575V     A     6.1       RATED 3 PHASE OPERATING POWER, PE         200V     HP     1.1/2       230V     HP     1.1/2       460V     HP     5       575V     HP     5       575V     HP     5       Standard Short Circuit Current     kA        Maximum Fuse Size     A     30       High Fault Short Circuit Current     kA     15       ELECTRICAL IEC APPLICATIONS     C     Rated Departing Voltage, Ue       Rated Doperating Voltage, Ue     VAC     Rated Thermal Current, Ith       RATED AC-1 OPERATING CURRENT, IE     C     200       200 ~ 240V     A     6.8       380 ~ 400V     A     6.3       415 ~ 440V     A     5 <td< td=""><td></td><td></td><td></td></td<>			
RATED 3 PHASE OPERATING CURRENT, leA200VA6.9230VA6460VA7.6575VA6.1RATED 3 PHASE OPERATING POWER, Pe	1/3	1/2	1
200V     A     6.9       230V     A     6       460V     A     7.6       575V     A     6.1       RATED 3 PHASE OPERATING POWER, Pe     200V     HP       200V     HP     1-1/2       230V     HP     1-1/2       230V     HP     1-1/2       230V     HP     5       575V     HP     5       575V     HP     5       Standard Short Circuit Current     kA     4       Maximum Fuse Size     A     30       High Fault Short Circuit Current     kA     15       ELECTRICAL IEC APPLICATIONS     X     15       ELECTRICAL IEC APPLICATIONS     Rated Insulation Voltage, Ui     V     X       Rated Insulation Voltage, Ui     V     X     Rated Thermal Current, Ith     A     18       RATED AC-1 OPERATING CURRENT, Ie     X     X     33     330 ~ 400V     A     6.3       380 ~ 400V     A     A     35     3660 ~ 690V     A     3.5	1	2	2
230VA6460VA7.6575VA6.1RATED 3 PHASE OPERATING POWER, Pe200V200VHP1-1/2230VHP1-1/2230VHP1-1/2460VHP5575VHP5575VHP5Standard Short Circuit CurrentkAMaximum Fuse SizeA30High Fault Short Circuit CurrentkAMaximum Fuse Size (Class J)A15ELECTRICAL IEC APPLICATIONSXRated Insulation Voltage, UiVRated Operating Voltage, UeVACRated Thermal Current, IthA18RATED AC-1 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VA6.8380 ~ 400VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240V220 ~ 240VA5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VKW3.5RATED AC-3 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VKW3.5GOVA5.5660 ~ 690VKW3.5RATED AC-4 OPERATING CURRENT, Ie220 ~ 240V; 380 ~ 400V; 415 ~ 440V220 ~ 240V; 380 ~ 400V; 415 ~ 440VA2.5RATED AC-4 OPERATING CURRENT, Ie220 ~ 240V; 380 ~ 400V; 415 ~ 440V220 ~ 240V; 380 ~ 400V; 415 ~ 440VA2.5Con Caperating Current, Ie220 ~			
460VA7.6575VA6.1RATED 3 PHASE OPERATING POWER, PE200VHP1-1/2230VHP1-1/2460VHP5575VHP5Standard Short Circuit CurrentkAMaximum Fuse SizeA30High Fault Short Circuit CurrentkAMaximum Fuse Size (Class J)A15ELECTRICAL IEC APPLICATIONSXRated Insulation Voltage, UiVRated Dperating Voltage, UeVACRATED AC-1 OPERATING CURRENT, IeX220 ~ 240VA6.8380 ~ 400VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, PEX220 ~ 240VA5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, IeX220 ~ 240VA5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, IeX220 ~ 240VKW3380 ~ 400VKW3415 ~ 440VKW3500VKW3600 ~ 690VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3	7.8	11	11
S75VA6.1RATED 3 PHASE OPERATING POWER, Pe200VHP1-1/2230VHP1-1/2460VHP5575VHP5Standard Short Circuit CurrentkA1Maximum Fuse SizeA30High Fault Short Circuit CurrentkA15ELECTRICAL IEC APPLICATIONSA15ELECTRICAL IEC APPLICATIONSV2000000000000000000000000000000000000	6.8	9.6	9.6
RATED 3 PHASE OPERATING POWER, PeHP200VHP1-1/2230VHP1-1/2460VHP5575VHP5Standard Short Circuit CurrentkA1Maximum Fuse SizeA30High Fault Short Circuit CurrentkA15ELECTRICAL IEC APPLICATIONSA15ELECTRICAL IEC APPLICATIONSV2000Rated Insulation Voltage, UiV1Rated Dperating Voltage, UeVAC18RATED AC-1 OPERATING CURRENT, IeA18220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240V220 ~ 240VA5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VA5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VKW3380 ~ 400VKW3415 ~ 440VKW3380 ~ 400VKW3600 ~ 690VKW3380 ~ 400VKW3380 ~ 400VKW3380 ~ 400VKW3200 ~ 240V; 380 ~ 400V; 415 ~ 440VA200 ~ 240V; 380 ~ 400V; 415 ~ 440VA200 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, Ie2200 ~ 240V; 380	7.6	11	14
200V     HP     1-1/2       230V     HP     1-1/2       230V     HP     5       575V     HP     5       Standard Short Circuit Current     KA     30       High Fault Short Circuit Current     KA     15       ELECTRICAL IEC APPLICATIONS     A     15       ELECTRICAL IEC APPLICATIONS     V     Rated Insulation Voltage, Ui     V       Rated Insulation Voltage, Ue     VAC     Rated Insulation Voltage, Ue     VAC       Rated Insulation Voltage, Ue     VAC     Rated Thermal Current, Ith     A     18       RATED AC-1 OPERATING CURRENT, Ie     220 ~ 240V     A     6.8     380 ~ 400V       A15 ~ 440V     A     5     660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe     220 ~ 240V     KW     3.5     5       380 ~ 400V     KW     3.5     5 </td <td>9</td> <td>9</td> <td>11</td>	9	9	11
230VHP1-1/2460VHP5575VHP5Standard Short Circuit CurrentKA30High Fault Short Circuit CurrentKA15ELECTRICAL IEC APPLICATIONSA15ELECTRICAL IEC APPLICATIONSV8Rated Insulation Voltage, UiV4Rated Insulation Voltage, UeVAC18RATED AC-1 OPERATING CURRENT, IeA18220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240V220 ~ 240VKW3.5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VKW3.5RATED AC-3 OPERATING CURRENT, Pe220 ~ 240V220 ~ 240VKW3.5RATED AC-4 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VKW3660 ~ 690VKW3600 ~ 690VKW3300 VKW3600 ~ 690VKW3600 ~ 690VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW3700VKW			1
460VHP5575VHP5Standard Short Circuit CurrentkA30High Fault Short Circuit CurrentkA15Baximum Fuse SizeA30High Fault Short Circuit CurrentkA15ELECTRICAL IEC APPLICATIONSRated Insulation Voltage, UiVRated Operating Voltage, UeVACRated Thermal Current, IthA18RATED AC-1 OPERATING CURRENT, Ie220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240V220 ~ 240VKW1.5380 ~ 400VA5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, Ie220 ~ 240V220 ~ 240VKW3380 ~ 400VKW3415 ~ 440VKW3380 ~ 400VKW3415 ~ 440VKW3500VKW3660 ~ 690VKW3380 ~ 400VKW3415 ~ 440VKW3500VKW3600 ~ 690VKW3600 ~ 690VKW <td>2</td> <td>3</td> <td>3</td>	2	3	3
S75VHP5Standard Short Circuit CurrentkA30Maximum Fuse SizeA30High Fault Short Circuit CurrentkA15ELECTRICAL IEC APPLICATIONSA15ELECTRICAL IEC APPLICATIONSVRated Operating Voltage, UiVRated Insulation Voltage, UiVARated Thermal Current, IthA18RATED AC-1 OPERATING CURRENT, IeC220 ~ 240V220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA7500VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, PeC220 ~ 240VKW1.5380 ~ 400VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, PeC220 ~ 240VKW3300 ~ 400VKW3415 ~ 440VKW3500VKW3220 ~ 240VKW3600 ~ 690VKW3220 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, IeC220 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, IeC220 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, IeC220 ~ 24	3	3	5
Standard Short Circuit CurrentKAMaximum Fuse SizeA30High Fault Short Circuit CurrentkA15Bate Insulation Voltage, UiV15Rated Insulation Voltage, UiV18RATED AC-1 OPERATING CURRENT, IeA18RATED AC-3 OPERATING CURRENT, IeA6.8380 ~ 400VA6.3415 ~ 440VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240V200 ~ 240VA6.3415 ~ 440VA5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, IeC220 ~ 240VA6.3415 ~ 440VA7500VA3.5RATED AC-3 OPERATING POWER, PeC220 ~ 240VKW3380 ~ 400VKW3660 ~ 690VKW3300 ~ 400V, thyKW3300 ~ 400VKW3200 ~ 240V, 380 ~ 400V; 415 ~ 440VA2.5MAXIMUM ELECTRICAL SWITCHING RATECC	5	7-1/2	10
Maximum Fuse SizeA30High Fault Short Circuit CurrentkA15Maximum Fuse Size (Class J)A15ELECTRICAL IEC APPLICATIONSRated Insulation Voltage, UiVRated Operating Voltage, UeVACRated Thermal Current, IthA18RATED AC-1 OPERATING CURRENT, Ie220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240V220 ~ 240VKW3.5660 ~ 690VA3.5RATED AC-3 OPERATING CURRENT, Ie0220 ~ 240VKW3.5RATED AC-3 OPERATING CURRENT, Pe0220 ~ 240VKW3.5RATED AC-3 OPERATING CURRENT, Ie0220 ~ 240VKW3380 ~ 400VKW3600 ~ 690VKW3600 ~ 690VKW3600 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, Ie0220 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, Ie0220 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, Ie0220 ~ 240V; 380 ~ 400V; 415 ~ 440VAATED AC-4 OPERATING CURRENT, Ie0220 ~ 240V; 380 ~ 400V; 4	7-1/2	7-1/2	10
High Fault Short Circuit CurrentkAMaximum Fuse Size (Class J)A15ELECTRICAL IEC APPLICATIONSRated Insulation Voltage, UiVRated Operating Voltage, UeVACRated Thermal Current, IthA18RATED AC-1 OPERATING CURRENT, IeAt 55° C (131° F)A18RATED AC-3 OPERATING CURRENT, Ie220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA7500VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240V220 ~ 240VKW3.5660 ~ 690VKW3380 ~ 400VkW3660 ~ 690VKW3380 ~ 400VkW3380 ~ 400VkW3200 ~ 240VkW3200 ~ 240VkW3200 ~ 240V; 380 ~ 400V; 415 ~ 440VA200 ~ 240V; 380 ~ 400V; 415 ~ 440VAA2.5MAXIMUM ELECTRICAL SWITCHING RATE	5		
Maximum Fuse Size (Class J)     A     15       ELECTRICAL IEC APPLICATIONS       Rated Insulation Voltage, Ui     V     V       Rated Operating Voltage, Ue     VAC     Rated Thermal Current, Ith     A     18       RATED AC-1 OPERATING CURRENT, Ie     V     A     18       RATED AC-3 OPERATING CURRENT, Ie     V     A     6.8       220 ~ 240V     A     6.8     380 ~ 400V     A     6.3       415 ~ 440V     A     7     500V     A     5     660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe     V     V     3.5     3.5     3.5       220 ~ 240V     KW     1.5     380 ~ 400V     KW     3     5       200 ~ 240V     KW     3.5     3.5     3.5     3.5     3.5     3.5     3.5       RATED AC-3 OPERATING POWER, Pe     V     V     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5     3.5	30	30	40
ELECTRICAL IEC APPLICATIONSRated Insulation Voltage, UiVRated Operating Voltage, UeVACRated Operating Voltage, UeVACRated Thermal Current, IthA18RATED AC-1 OPERATING CURRENT, IeAt 55° C (131° F)A18RATED AC-3 OPERATING CURRENT, Ie220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA7500VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240VkW1.5380 ~ 400VkW3415 ~ 440VkW3500VkW3660 ~ 690VkW384TED AC-3 OPERATING POWER, Pe220 ~ 240VkW3380 ~ 400VkW3500VkW3660 ~ 690VkW3660 ~ 290VkW3200 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VA200 ~ 240V; 380 ~ 000V; 415 ~ 440VA200 ~ 240V; 380 ~ 000V; 415 ~ 440VA200 ~ 240V; 380 ~ 000V; 415 ~ 440VA <tr <td="">200 ~ 240V; 380 ~ 000V; 415 ~ 440V&lt;</tr>	10	0	
Rated Insulation Voltage, UiVRated Operating Voltage, UeVACRated Thermal Current, IthA18RATED AC-1 OPERATING CURRENT, IeAt 55° C (131° F)A18RATED AC-3 OPERATING CURRENT, Ie220 ~ 240VA6.8380 ~ 400VA6.3415 ~ 440VA5660 ~ 690VA3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240VKW1.5380 ~ 400VKW3.5RATED AC-3 OPERATING POWER, Pe220 ~ 240VKW3380 ~ 400VKW3660 ~ 690VKW3300VKW3220 ~ 240VKW3500VA2.5RATED AC-4 OPERATING CURRENT, Ie220 ~ 240V; 380 ~ 400V; 415 ~ 440VA220 ~ 240V; 380 ~ 400V; 415 ~ 440VAAC-4 OPERATING CURRENT, Ie220 ~ 240V; 380 ~ 400V; 415 ~ 440VAAC-5AAXIMUM ELECTRICAL SWITCHING RATE	15	15	20
Rated Operating Voltage, Ue     VAC       Rated Thermal Current, Ith     A     18       RATED AC-1 OPERATING CURRENT, Ie         At 55° C (131° F)     A     18       RATED AC-3 OPERATING CURRENT, Ie         220 ~ 240V     A     6.8       380 ~ 400V     A     6.3       415 ~ 440V     A     7       500V     A     5       660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe         220 ~ 240V     KW     1.5       380 ~ 400V     KW     3       415 ~ 440V     KW     3       500V     KW     3       660 ~ 690V     kW     3       7     380 ~ 400V; 415 ~ 440V     A       220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5			
Rated Thermal Current, Ith     A     18       RATED AC-1 OPERATING CURRENT, Ie         At 55° C (131° F)     A     18       RATED AC-3 OPERATING CURRENT, Ie         220 ~ 240V     A     6.8       380 ~ 400V     A     6.3       415 ~ 440V     A     7       500V     A     5       660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe         220 ~ 240V     KW     1.5       380 ~ 400V     kW     3       415 ~ 440V     KW     3       500V     kW     3       660 ~ 690V     kW     3       500V     kW     3       660 ~ 690V     kW     3       660 ~ 690V     kW     3       800V     kW     3       200V     kW     3       500V     kW     3       660 ~ 690V     kW     3       7     7     7       7	690		
RATED AC-1 OPERATING CURRENT, le     A     18       At 55° C (131° F)     A     18       RATED AC-3 OPERATING CURRENT, le     220 ~ 240V     A     6.8       380 ~ 400V     A     6.3     415 ~ 440V     A     6.3       415 ~ 440V     A     7     500V     A     5       660 ~ 690V     A     3.5     5     660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe     220 ~ 240V     kW     1.5     380 ~ 400V     kW     3       15 ~ 440V     kW     3     500V     kW     3     660 ~ 690V     8W     3       200 ~ 240V, 380 ~ 400V; 415 ~ 440V     kW     3     20     220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5	690		
At 55° C (131° F)     A     18       RATED AC-3 OPERATING CURRENT, le         220 ~ 240V     A     6.8       380 ~ 400V     A     6.3       415 ~ 440V     A     7       500V     A     5.5       660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe         220 ~ 240V     kW     1.5       380 ~ 400V     kW     3       415 ~ 440V     kW     3       500V     kW     3       660 ~ 690V     kW     3       660 ~ 690V     kW     3       200 ~ 240V; 380 ~ 400V; 415 ~ 440V     kW     3       660 ~ 290V     kW     3       660 ~ 200V     kW     3       660 ~ 200V     kW     3       660 ~ 200V; 380 ~ 400V; 415 ~ 440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE      2.5	20	22	22
RATED AC-3 OPERATING CURRENT, le     A     6.8       220 ~ 240V     A     6.8       380 ~ 400V     A     6.3       415 ~ 440V     A     7       500V     A     5       660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe			
220 ~ 240V     A     6.8       380 ~ 400V     A     6.3       415 ~ 440V     A     7       500V     A     5       660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe         220 ~ 240V     kW     1.5       380 ~ 400V     kW     3       415 ~ 440V     kW     3       500V     kW     3       660 ~ 690V     kW     3       660 ~ 690V     kW     3       220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE	20	22	22
380 ~ 400V     A     6.3       415 ~ 440V     A     7       500V     A     5       660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe     220 ~ 240V     kW     1.5       380 ~ 400V     kW     3     3       415 ~ 440V     kW     3     3       660 ~ 690V     kW     3     3       660 ~ 690V     kW     3     3       660 ~ 690V     kW     3     3       220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE			
415 ~ 440V A 7   500V A 5   660 ~ 690V A 3.5 <b>RATED AC-3 OPERATING POWER, Pe</b> 220 ~ 240V kW 1.5   380 ~ 400V kW 3 3   415 ~ 440V kW 3 3   660 ~ 690V kW 3 3   660 ~ 690V kW 3 3 <b>RATED AC-4 OPERATING CURRENT, Ie</b> 220 ~ 240V; 380 ~ 400V; 415 ~ 440V A 2.5 <b>MAXIMUM ELECTRICAL SWITCHING RATE</b>	9.6	—	—
500V     A     5       660 ~ 690V     A     3.5       RATED AC-3 OPERATING POWER, Pe         220 ~ 240V     kW     1.5       380 ~ 400V     kW     3       415 ~ 440V     kW     3       500V     kW     3       660 ~ 690V     kW     3       660 ~ 690V     kW     3       220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE	8.1	11	14.8
660~690V     A     3.5       RATED AC-3 OPERATING POWER, Pe         220~240V     kW     1.5       380~400V     kW     3       415~440V     kW     3       500V     kW     3       660~690V     kW     3       660~690V     kW     3       220~240V; 380~400V; 415~440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE	9	12	16
RATED AC-3 OPERATING POWER, Pe        220 ~ 240V     kW     1.5       380 ~ 400V     kW     3       415 ~ 440V     kW     3       500V     kW     3       660 ~ 690V     kW     3       RATED AC-4 OPERATING CURRENT, Ie     220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5	9	12	12
220 ~ 240V     kW     1.5       380 ~ 400V     kW     3       415 ~ 440V     kW     3       500V     kW     3       660 ~ 690V     kW     3       220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5	6.7	9	9
380 ~ 400V     kW     3       415 ~ 440V     kW     3       500V     kW     3       660 ~ 690V     kW     3       RATED AC-4 OPERATING CURRENT, Ie     220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE			
415 ~ 440V     kW     3       500V     kW     3       660 ~ 690V     kW     3 <b>RATED AC-4 OPERATING CURRENT, le</b> 220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5 <b>MAXIMUM ELECTRICAL SWITCHING RATE</b>	2.2	3	4
SOOV     kW     3       660~690V     kW     3       RATED AC-4 OPERATING CURRENT, le     220~240V; 380~400V; 415~440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE	4	5.5	7.5
660~690V     kW     3       RATED AC-4 OPERATING CURRENT, le     220     240V; 380~400V; 415~440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE     200	4	5.5	7.5
RATED AC-4 OPERATING CURRENT, le        220 ~ 240V; 380 ~ 400V; 415 ~ 440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE	5.5	7.5	7.5
220 ~ 240V;     380 ~ 400V;     415 ~ 440V     A     2.5       MAXIMUM ELECTRICAL SWITCHING RATE	5.5	7.5	7.5
MAXIMUM ELECTRICAL SWITCHING RATE			
	4	4	5
AC-1; AC-4 Ops./Hr.	300		
AC-3 Ops./Hr.	600		
Electrical Endurance, AC-3 at Max. Rated 3 Phase Operating Power (@ 400V) 0ps. (mil.) 1.4	1.3	1.2	1.1

For complete ratings and detailed specifications refer to www.c3controls.com.

## DIMENSIONS

Non-Reversing Contactor or Control Relay (includes Auxiliary Contacts & Surge Suppressor)



**Reversing Contactor** 

(includes Auxiliary Contacts & Surge Suppressor)



### PROVEN

**Conformity to Standards:** MINIATURE CONTACTORS UL 508, 60947-4-1A

CSA C22.2 No. 14 IEC 60947-1, 60947-4-1

MINIATURE CONTROL RELAYS UI 508

CSA C22.2 No. 14 IEC 60947-1, 60947-5-1

#### Certifications:

UL File #: E236197 (Guide NLDX, NLDX7), E68568 (Guide NKCR, NKCR7)

CE Marked (per EU Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU)

UL File #: E68568 (Guide NKCR, NKCR7)

CE Marked (per EU Low Voltage Directive 2006/95/EC and RoHS Directive 2011/65/EU)

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