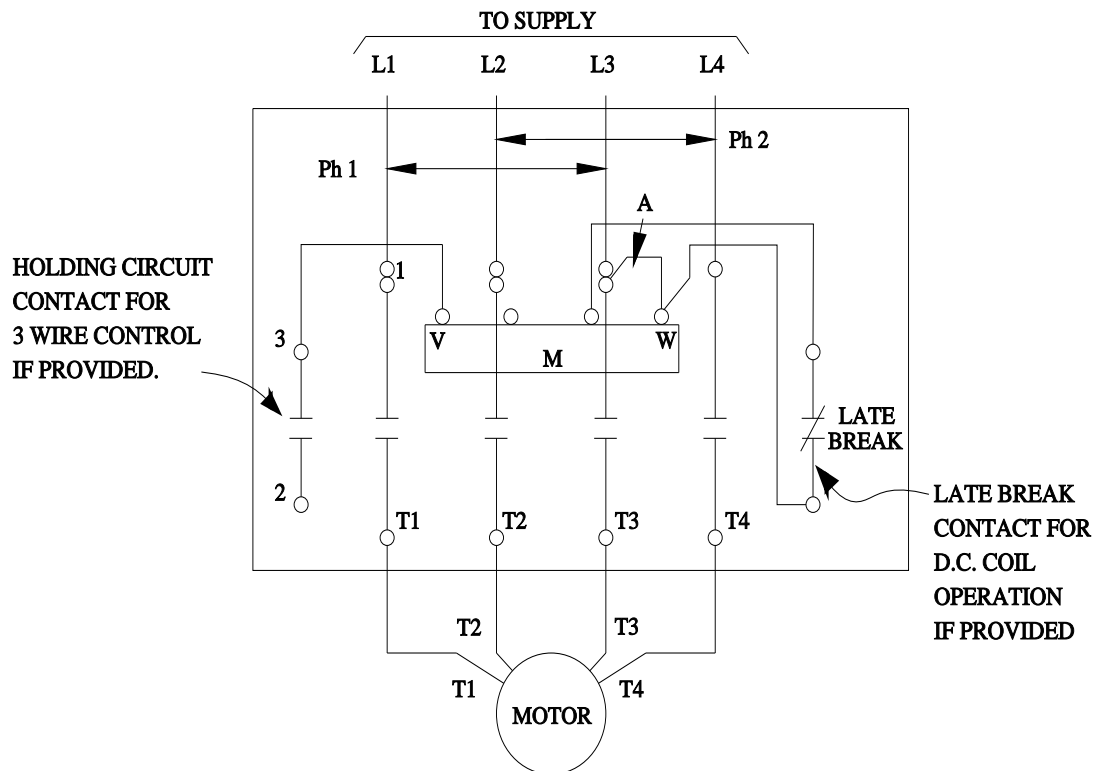
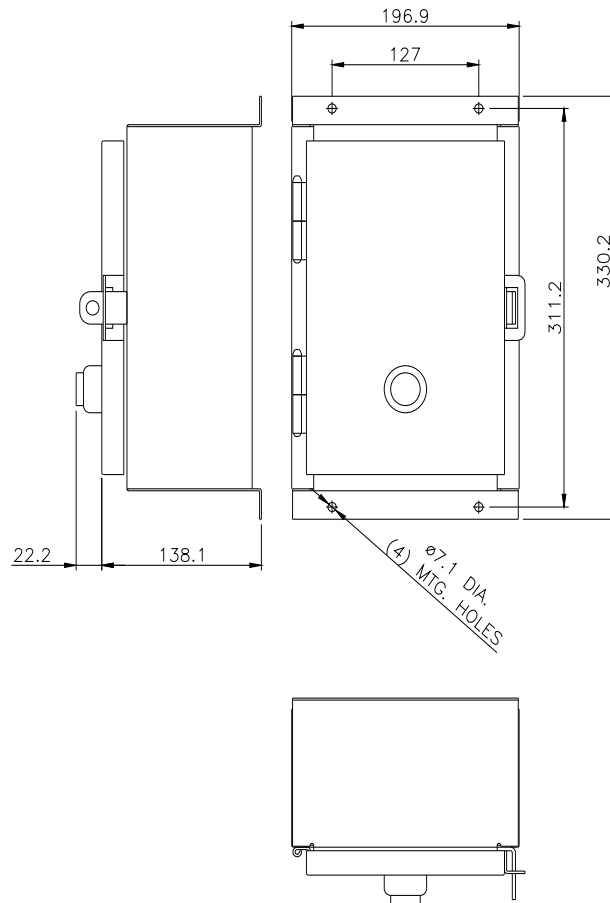




Non-reversing NEMA contactor, Size 0, 4 power poles, Contactor amp rating 18A, 3 wire (NO aux included), 208VAC 60Hz coil, Non-combination type, Enclosure NEMA type 12, Dust/drip proof for indoors, Standard width enclosure

|   |  |
|---|--|
| product brand name  | Class 40   |
| design of the product   | Non-reversing contactor  |
| special product feature   | Gravity dropout contacts; 45 degree, wedge action contacts; Self-rising pressure type control terminals; Encapsulated coil |
| <b>General technical data</b>   |  |
| weight [lb]   | 11 lb  |
| Height x Width x Depth [in]   | 13 × 8 × 5 in  |
| touch protection against electrical shock                               | NA for enclosed products   |
| installation altitude [ft] at height above sea level maximum            | 6560 ft  |
| ambient temperature [°F]  |  |
| • during storage  | -22 ... +149 °F  |
| • during operation  | -4 ... +104 °F   |
| ambient temperature   |  |
| • during storage  | -30 ... +65 °C   |
| • during operation  | -20 ... +40 °C   |
| country of origin   | USA  |
| <b>Horsepower ratings</b>   |  |
| yielded mechanical performance [hp] for 3-phase AC motor                |  |
| • at 200/208 V rated value  | 2 hp   |
| • at 220/230 V rated value  | 3 hp   |
| • at 460/480 V rated value  | 5 hp   |
| • at 575/600 V rated value  | 5 hp   |
| <b>Contactors</b>   |  |
| size of contactor   | NEMA controller size 0   |
| number of NO contacts for main contacts                                 | 4  |
| operating voltage for main current circuit at AC at 60 Hz maximum       | 600 V  |
| operational current at AC at 600 V rated value                          | 18 A   |
| mechanical service life (operating cycles) of the main contacts typical | 10000000   |
| <b>Auxiliary contact</b>  |  |
| number of NC contacts at contactor for auxiliary contacts               | 0  |
| number of NO contacts at contactor for auxiliary contacts               | 1  |
| number of total auxiliary contacts maximum                              | 8  |
| contact rating of auxiliary contacts of contactor according to UL       | 10A@600VAC (A600), 5A@600VDC (P600)  |
| <b>Coil</b>   |  |
| type of voltage of the control supply voltage                           | AC   |
| control supply voltage  |  |
| • at AC at 60 Hz rated value  | 208 ... 208 V  |
| holding power at AC minimum   | 8.6 W  |
| apparent pick-up power of magnet coil at AC                             | 218 VA   |

|   |   |
|---|---|
| apparent holding power of magnet coil at AC   | 25 VA   |
| operating range factor control supply voltage rated value of magnet coil  | 0.85 ... 1.1  |
| percentual drop-out voltage of magnet coil related to the input voltage   | 50 %  |
| ON-delay time   | 19 ... 29 ms  |
| OFF-delay time  | 10 ... 24 ms  |
| <b>Enclosure</b>  |   |
| degree of protection NEMA rating of the enclosure   | NEMA Type 12  |
| design of the housing   | dustproof and drip-proof for indoor use             |
| <b>Mounting/wiring</b>  |   |
| mounting position   | Vertical  |
| fastening method  | Surface mounting and installation                   |
| type of electrical connection for supply voltage line-side  | Screw-type terminals                                |
| tightening torque [lbf-in] for supply   | 20 ... 20 lbf-in                                    |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded   | 1x (14 ... 2 AWG)                                   |
| temperature of the conductor for supply maximum permissible   | 75 °C   |
| material of the conductor for supply  | AL or CU  |
| type of electrical connection for load-side outgoing feeder   | Screw-type terminals                                |
| tightening torque [lbf-in] for load-side outgoing feeder  | 20 ... 20 lbf-in                                    |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded  | 1x (14 ... 2 AWG)                                   |
| temperature of the conductor for load-side outgoing feeder maximum permissible  | 75 °C   |
| material of the conductor for load-side outgoing feeder   | AL or CU  |
| type of electrical connection of magnet coil  | Screw-type terminals                                |
| tightening torque [lbf-in] at magnet coil   | 5 ... 12 lbf-in                                     |
| type of connectable conductor cross-sections of magnet coil for AWG cables single or multi-stranded   | 2x (16 ... 12 AWG)                                  |
| temperature of the conductor at magnet coil maximum permissible   | 75 °C   |
| material of the conductor at magnet coil  | CU  |
| type of electrical connection at contactor for auxiliary contacts   | Screw-type terminals                                |
| tightening torque [lbf-in] at contactor for auxiliary contacts  | 10 ... 15 lbf-in                                    |
| type of connectable conductor cross-sections at contactor for AWG cables for auxiliary contacts single or multi-stranded  | 1x (12 AWG), 2x (16 ... 14 AWG), 2x (18 ... 16 AWG) |
| temperature of the conductor at contactor for auxiliary contacts maximum permissible  | 75 °C   |
| material of the conductor at contactor for auxiliary contacts   | CU  |
| <b>Short-circuit current rating</b>   |   |
| design of the fuse link for short-circuit protection of the main circuit required   | 10kA@600V (Class H or K); 100kA@600V (Class R or J) |
| design of the short-circuit trip  | Thermal magnetic circuit breaker                    |
| maximum short-circuit current breaking capacity (I <sub>cu</sub> )  |   |
| • at 240 V  | 14 A  |
| • at 480 V  | 10 A  |
| • at 600 V  | 10 A  |
| certificate of suitability  | NEMA ICS 2; UL 508; CSA 22.2, No.14                 |
| <b>Further information</b>  |   |
| <b>Industrial Controls - Product Overview (Catalogs, Brochures,...)</b><br><a href="http://www.usa.siemens.com/iccatalog">www.usa.siemens.com/iccatalog</a>   |   |
| <b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:40CP220D">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:40CP220D</a>  |   |
| <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:40CP220D">https://support.industry.siemens.com/cs/US/en/ps/US2:40CP220D</a>  |   |
| <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br><a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:40CP220D&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:40CP220D&amp;lang=en</a> |   |
| <b>Certificates/approvals</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:40CP220D/certificate">https://support.industry.siemens.com/cs/US/en/ps/US2:40CP220D/certificate</a>  |   |



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