

Non-reversing NEMA contactor, Size 1, Three phase full voltage, Contactor amp rating 27A, 3 wire (NO aux included), 110-120/220-240VAC 60Hz coil, Non-combination type, Enclosure NEMA type (open), No enclosure



Figure similar

| | |
|-------------------------|-------------------------|
| Product brand name | Class 40 |
| Design of the product | Non-reversing contactor |
| Special product feature | Dual voltage coil |

| General technical data | |
|--|----------------------|
| Weight [lb] | 3 lb |
| Height x Width x Depth [in] | 4.5 × 5.75 × 3.89 in |
| Protection against electrical shock | Not finger-safe |
| 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 | Mexico |

Horsepower ratings

| | |
|--|--------|
| Yielded mechanical performance [hp] for three-phase AC motor | |
| • at 200/208 V rated value | 7.5 hp |
| • at 220/230 V rated value | 7.5 hp |
| • at 460/480 V rated value | 10 hp |
| • at 575/600 V rated value | 10 hp |

| Contactor | |
|---|------------------------|
| Size of contactor | NEMA controller size 1 |
| Number of NO contacts for main contacts | 3 |
| Operating voltage for main current circuit at AC at 60 Hz maximum | 600 V |
| Operating current at AC at 600 V rated value | 27 A |
| Mechanical service life (switching cycles) of the main contacts typical | 10000000 |

| Auxiliary contact | |
|---|-------------------------------------|
| 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) |

| Coil | |
|--|---------------|
| Type of voltage of the control supply voltage | AC |
| Control supply voltage | |
| • at AC at 60 Hz rated value | 110 ... 240 V |
| Holding power at AC minimum | 8.6 W |
| Apparent pick-up power of magnet coil at AC | 218 V·A |
| Apparent holding power of magnet coil at AC | 25 V·A |
| Operating range factor control supply voltage rated value of magnet coil | 0.85 ... 1.1 |
| Percental drop-out voltage of magnet coil related to the input voltage | 50 % |
| Switch-on delay time | 19 ... 29 ms |
| Off-delay time | 10 ... 24 ms |

| Enclosure | |
|---|----------------------------|
| Degree of protection NEMA rating of the enclosure | Open device (no enclosure) |
| Design of the housing | NA |

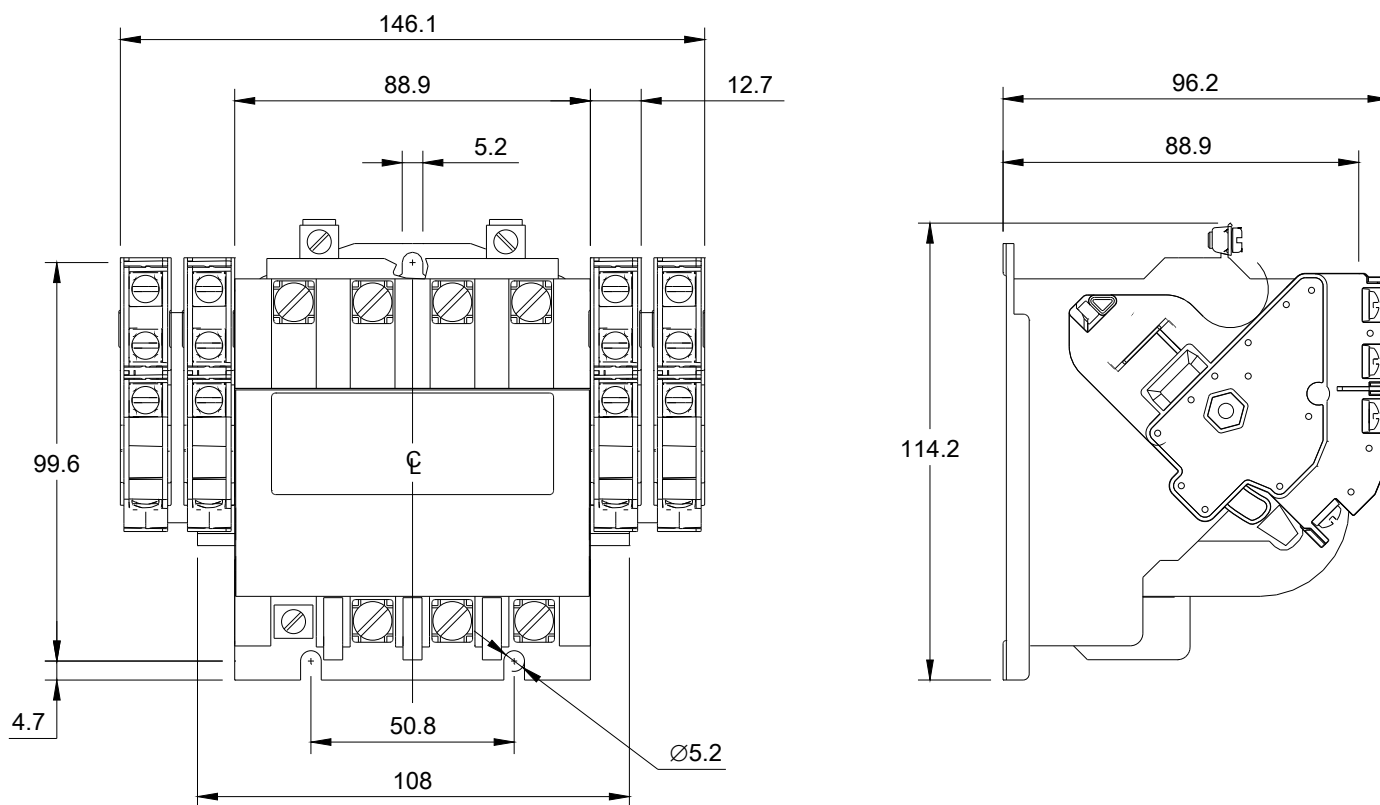
| Mounting/wiring | |
|-------------------|-----------------------------------|
| Mounting position | Vertical |
| Mounting type | Surface mounting and installation |

| | |
|---|---|
| Type of electrical connection for supply voltage line-side | Screw-type terminals |
| Tightening torque [lbf·in] for supply | 35 ... 35 lbf·in |
| Type of connectable conductor cross-sections at line-side at AWG conductors 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 | 35 ... 35 lbf·in |
| Type of connectable conductor cross-sections at AWG conductors 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 at AWG conductors 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 at AWG conductors 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 |

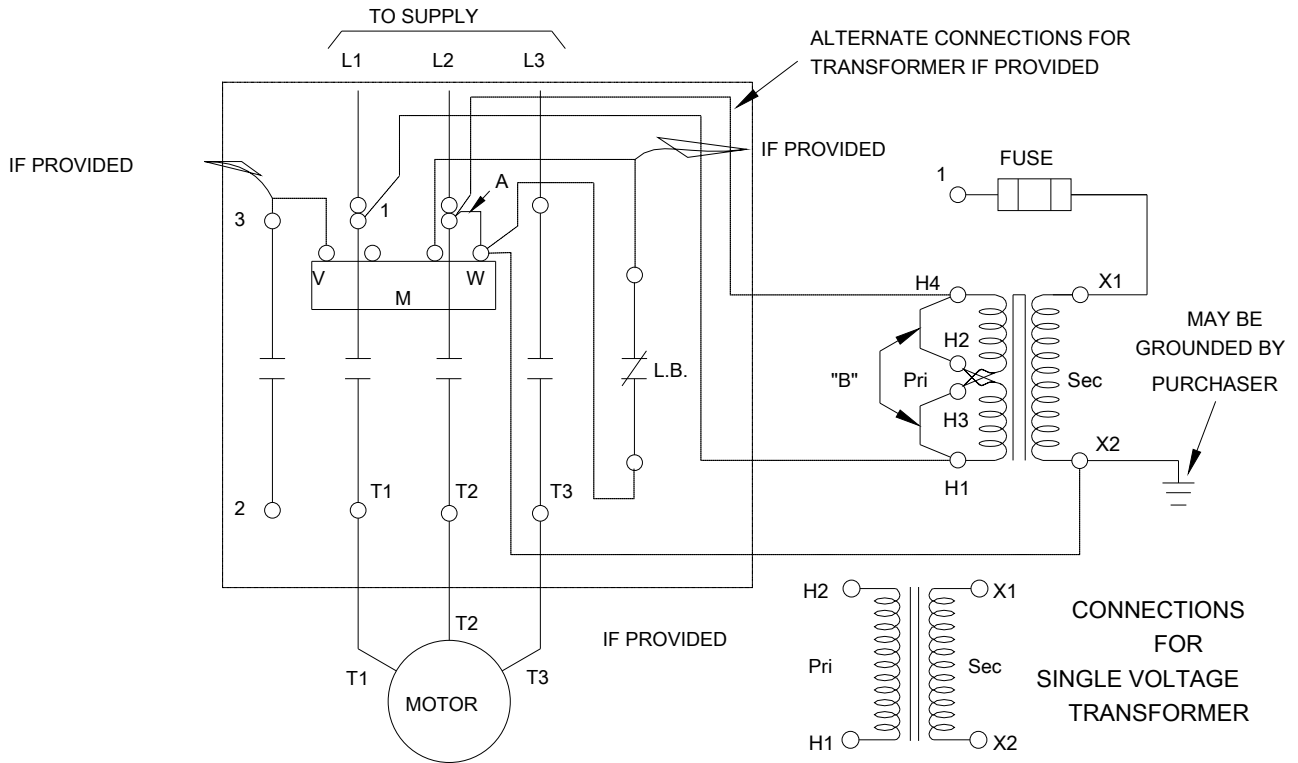
Short-circuit current rating

| | |
|--|---|
| 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 (Icu) <ul style="list-style-type: none"> • at 240 V • at 480 V • at 600 V | 14 A 10 A 10 A |

Further information

Industrial Controls - Product Overview (Catalogs, Brochures,...)www.usa.siemens.com/iccatalog**Industry Mall (Online ordering system)**<https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:40DP32AA>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/US/en/ps/US2:40DP32AA>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:40DP32AA&lang=en**Certificates/approvals**<https://support.industry.siemens.com/cs/US/en/ps/US2:40DP32AA/certificate>

WIRING DIAGRAM



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