

Non-reversing NEMA contactor, Size 0, Single phase full voltage, Contactor amp rating 18A, 3 wire (NO aux included), 190-220/220-240V 50/60Hz coil, Non-combination type, Enclosure NEMA type 1, Indoor general purpose use, Standard width enclosure



Figure similar

| | |
|-------------------------|--|
| 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 |

| General technical data | |
|--|--------------------------|
| Weight [lb] | 8 lb |
| Height x Width x Depth [in] | 11 × 7 × 5 in |
| 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 |

Horsepower ratings

Yielded mechanical performance [hp] for single-phase AC motor

| | |
|----------------------------|------|
| • at 115 V rated value | 1 hp |
| • at 200/208 V rated value | 2 hp |
| • at 220/230 V rated value | 2 hp |
| • at 460/480 V rated value | 0 hp |
| • at 575/600 V rated value | 0 hp |

Contactors

| | |
|---|------------------------|
| Size of contactor | NEMA controller size 0 |
| Number of NO contacts for main contacts | 2 |
| Operating voltage for main current circuit at AC at 60 Hz maximum | 240 V |
| Operating current at AC at 600 V rated value | 18 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 50 Hz rated value | 190 ... 220 V |
| • at AC at 60 Hz rated value | 220 ... 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 | NEMA Type 1 |
| Design of the housing | Indoor general purpose use |

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 | 20 ... 20 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 | 20 ... 20 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 | 14 A |

- at 480 V
- at 600 V

10 A

10 A

Certificate of suitability

NEMA ICS 2; UL 508; CSA 22.2, No.14

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=US2:40CP12BG>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

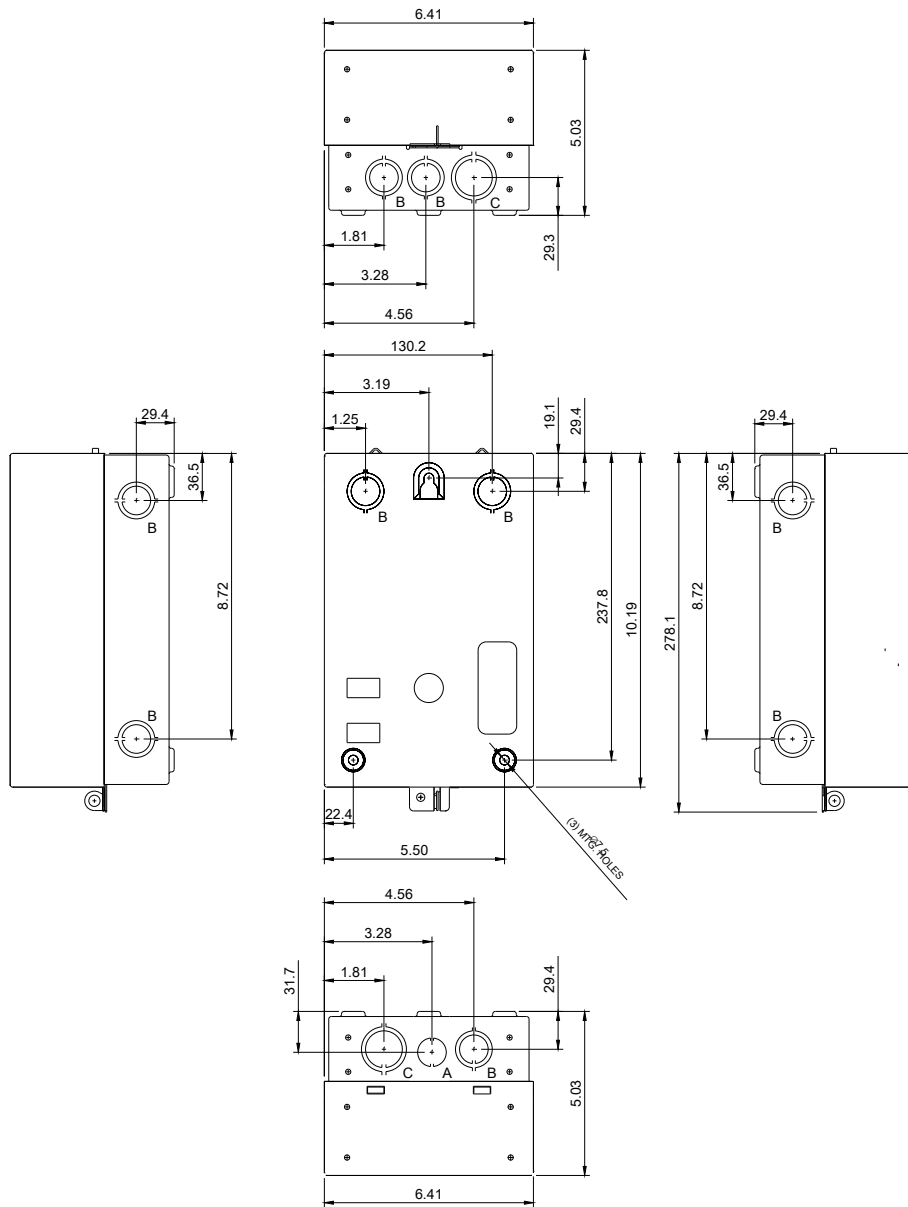
<https://support.industry.siemens.com/cs/US/en/ps/US2:40CP12BG>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:40CP12BG&lang=en

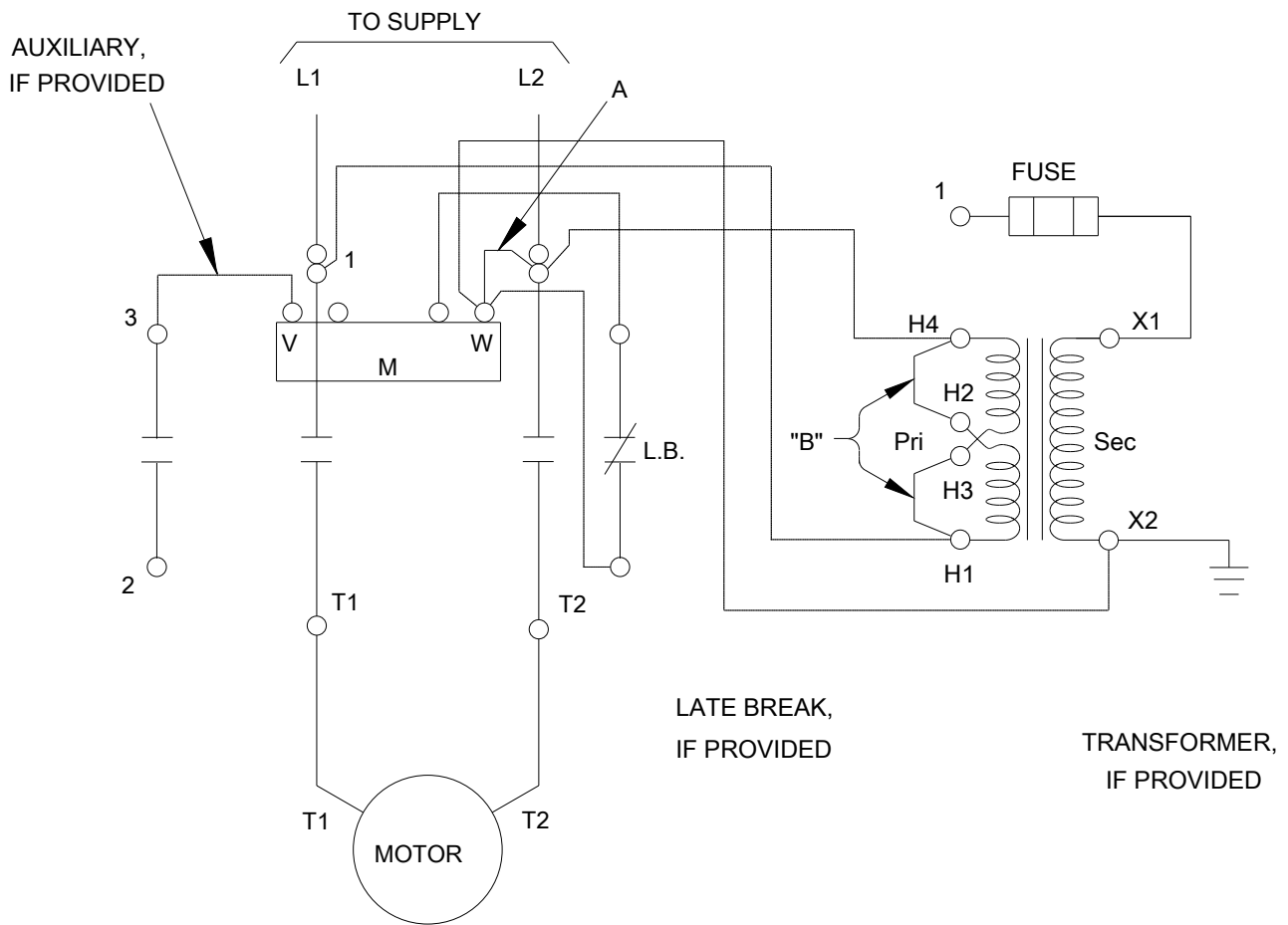
Certificates/approvals

<https://support.industry.siemens.com/cs/US/en/ps/US2:40CP12BG/certificate>



| LETTER | KNOCKOUT & CONDUIT SIZE |
|--------|---|
| A | %%C22.2 FOR 12.7 CONDUIT |
| B | %%C22.2 X %%C28.6 FOR 12.7 & 19 CONDUIT |
| C | %%C28.6 X %%C34.9 FOR 19 & 25.4 CONDUIT |

%%uWIRING DIAGRAM



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