

Non-reversing motor starter Size 0 Three phase full voltage Solid-state overload relay OLRelay amp range 3-12A 190-220/220-240V 50/60HZ coil Combination type 10Amp circuit breaker Encl. NEMA type 4X Fiberglass Water/dust tight noncorrosive Standard width enclosure



Figure similar

| General technical data   |   |
|--|---|
| Height x Width x Depth [in]  | 24 × 15 × 7 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                                 |
| Ambient temperature [°F] during operation  | -4 ... +104 °F                                  |
| Ambient temperature during storage   | -30 ... +65 °C                                  |
| Ambient temperature during operation   | -20 ... +40 °C                                  |
| Horsepower ratings   |   |
| Yielded mechanical performance [hp] for three-phase AC motor   |   |
| <ul style="list-style-type: none"> <li>• at 200/208 V rated value</li> <li>• at 220/230 V rated value</li> <li>• at 460/480 V rated value</li> <li>• at 575/600 V rated value</li> </ul> | <p>2 hp</p> <p>2 hp</p> <p>5 hp</p> <p>5 hp</p> |
| Contactor  |   |

|   |          |
|---|----------|
| 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                            | 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   |               |
| <ul style="list-style-type: none"> <li>at DC rated value</li> </ul>          | 0 ... 0 V     |
| <ul style="list-style-type: none"> <li>at AC at 60 Hz rated value</li> </ul> | 220 ... 240 V |
| <ul style="list-style-type: none"> <li>at AC at 50 Hz rated value</li> </ul> | 190 ... 220 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  |

#### Overload relay

|  |                                      |
|--|--------------------------------------|
| Reset function   | Manual, automatic and remote         |
| Trip class   | Class 5 / 10 / 20 (factory set) / 30 |
| Adjustable pick-up value current of the current-dependent overload release | 3 ... 12 A                           |
| Make time with automatic start after power failure maximum                 | 3 s                                  |
| Relative repeat accuracy   | 1 %                                  |
| Number of NC contacts of auxiliary contacts of overload relay              | 1                                    |
| Number of NO contacts of auxiliary contacts of overload relay              | 1                                    |
| Operating current of auxiliary contacts of overload relay                  |                                      |
| <ul style="list-style-type: none"> <li>at AC at 600 V</li> </ul>           | 5 A                                  |

|   |                                    |
|---|------------------------------------|
| <ul style="list-style-type: none"> <li>• at DC at 250 V</li> </ul>  | 1 A                                |
| Contact rating of auxiliary contacts of overload relay according to UL  | 5A@600VAC (B600), 1A@250VDC (R300) |
| Insulation voltage  |                                    |
| <ul style="list-style-type: none"> <li>• with single-phase operation at AC rated value</li> <li>• with multi-phase operation at AC rated value</li> </ul> | 600 V                              |
|   | 300 V                              |

| Enclosure   |  |
|---|--|
| Degree of protection NEMA rating of the enclosure | NEMA 4X fiberglass enclosure                 |
| Design of the housing                             | Dust-tight, watertight & corrosion resistant |

| Motor Circuit Protector (magnetic trip only)                              |              |
|---|--------------|
| Operating current of motor circuit breaker rated value                    | 10 A         |
| Adjustable pick-up value current of instantaneous short-circuit trip unit | 30 ... 100 A |

| Mounting/wiring   |  |
|---|--|
| Mounting position   | Vertical   |
| (mounting type)   | Surface mounting and installation                |
| Type of electrical connection for supply voltage line-side  | Box lug  |
| Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded                  | 1x (14 AWG ... 10 AWG) or 1x (12 AWG ... 10 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 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  |
| Type of electrical connection at overload relay for auxiliary contacts   | Screw-type terminals                                |
| Tightening torque [lbf·in] at overload relay for auxiliary contacts  | 7 ... 10 lbf·in                                     |
| Type of connectable conductor cross-sections at overload relay at AWG conductors for auxiliary contacts single or multi-stranded | 2x (20 ... 14 AWG)                                  |
| Temperature of the conductor at overload relay for auxiliary contacts maximum permissible  | 75 °C   |
| Material of the conductor at overload relay for auxiliary contacts   | CU  |

### Short-circuit current rating

|  |  |
|--|--|
| Design of the short-circuit trip   | Instantaneous trip circuit breaker       |
| Maximum short-circuit current breaking capacity (Icu)  |  |
| <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul> | <p>100 kA</p> <p>100 kA</p> <p>25 kA</p> |

### Further information

**Industrial Controls - Product Overview (Catalogs, Brochures,...)**

[www.usa.siemens.com/iccatalog](http://www.usa.siemens.com/iccatalog)

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:18CUC92FG>

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

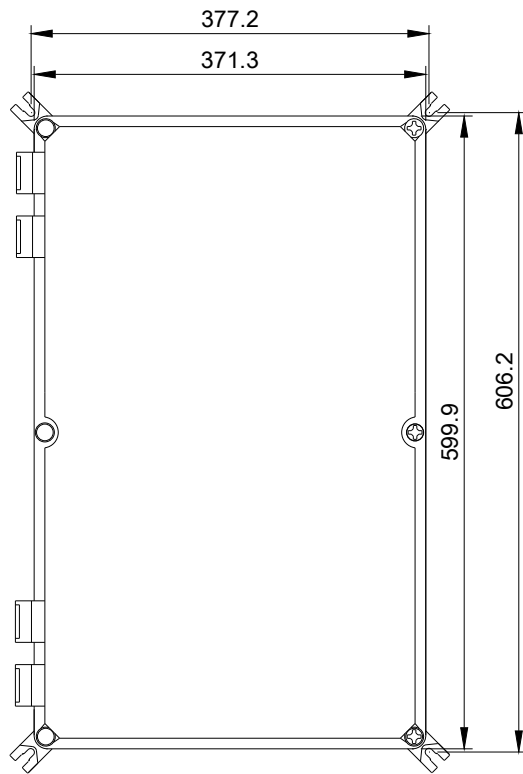
<https://support.industry.siemens.com/cs/US/en/ps/US2:18CUC92FG>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=US2:18CUC92FG&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:18CUC92FG&lang=en)

**Certificates/approvals**

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