



Figure similar

Non-reversing motor starter Size 1 Three phase full voltage Solid-state overload relay OLRelay amp range 10-40a Combination type 60Amp non-fused disconnect Encl NEMA type 4X 316 S-steel Water/dust tight non-corrosive Standard width enclosure

|   |  |
|---|--|
| product brand name  | Class 17 & 25  |
| design of the product   | Full-voltage non-reversing motor starter with non-fusible disconnect |
| special product feature   | ESP200 overload relay; Dual voltage coil                             |
| <b>General technical data</b>   |  |
| Height x Width x Depth [in]   | 24 × 11 × 8 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   |
| <b>Horsepower ratings</b>   |  |
| yielded mechanical performance [hp] for 3-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  | 0 hp   |
| • at 575/600 V rated value  | 0 hp   |
| <b>Contactors</b>   |  |
| size of contactor   | NEMA controller size 1   |
| number of NO contacts for main contacts                                 | 3  |
| operational current at AC at 600 V rated value                          | 27 A   |
| mechanical service life (switching 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  | 220 ... 480 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 |
| percental drop-out voltage of magnet coil related to the input voltage   | 50 %         |
| ON-delay time  | 19 ... 29 ms |
| OFF-delay time   | 10 ... 24 ms |

#### Overload relay

|  |   |                           |
|--|---|---------------------------|
| product function   |   |                           |
| <ul style="list-style-type: none"> <li>● overload protection</li> <li>● phase failure detection</li> <li>● asymmetry detection</li> <li>● ground fault detection</li> <li>● test function</li> <li>● external reset</li> </ul> | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>   |                           |
| reset function   | Manual, automatic and remote  |                           |
| trip class   | CLASS 5 / 10 / 20 (factory set) / 30  |                           |
| adjustable current response value current of the current-dependent overload release  | 10 ... 40 A   |                           |
| make time with automatic start after power failure maximum   | 3 s   |                           |
| relative repeat accuracy   | 1 %   |                           |
| product feature protective coating on printed-circuit board  | Yes   |                           |
| number of NC contacts of auxiliary contacts of overload relay  | 1   |                           |
| number of NO contacts of auxiliary contacts of overload relay  | 1   |                           |
| operational current of auxiliary contacts of overload relay  | <ul style="list-style-type: none"> <li>● at AC at 600 V</li> <li>● at DC at 250 V</li> </ul>  | <p>5 A</p> <p>1 A</p>     |
| contact rating of auxiliary contacts of overload relay according to UL   | 5A@600VAC (B600), 1A@250VDC (R300)  |                           |
| insulation voltage (Ui)  | <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> | <p>600 V</p> <p>300 V</p> |

#### Disconnect Switch

|                                       |             |
|---------------------------------------|-------------|
| response value of switch disconnecter | 30A / 600V  |
| design of fuse holder                 | non-fusible |
| operating class of the fuse link      | non-fusible |

#### Enclosure

|                                  |  |
|----------------------------------|--|
| degree of protection NEMA rating | 4X, 304 stainless steel                        |
| design of the housing            | dustproof, waterproof & resistant to corrosion |

#### Mounting/wiring

|   |                                   |
|---|-----------------------------------|
| mounting position   | vertical                          |
| fastening method  | Surface mounting and installation |
| type of electrical connection for supply voltage line-side  | Box lug                           |
| tightening torque [lbf-in] for supply   | 35 ... 35 lbf-in                  |
| type of connectable conductor cross-sections at line-side at 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  | 35 ... 35 lbf-in                  |
| type of connectable conductor cross-sections at 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 at 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 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 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  |
| 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 cables 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  |
| <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) |
| certificate of suitability   | NEMA ICS 2; UL 508; CSA 22.2, No.14                 |
| <b>Further information</b>   |   |

**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=US2:17DUE92XC>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:17DUE92XC>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=US2:17DUE92XC&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:17DUE92XC&lang=en)

**Certificates/approvals**

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