



Figure similar

Reversing NEMA contactor Size 1 Three phase full voltage Contactor amp rating 27Amp 3 w 220-240/440-480VAC 60HZ coil Non-combination type Enclosure NEMA type 1 Indoor general purpose use Standard width enclosure

|                                                                         |                                     |
|-------------------------------------------------------------------------|-------------------------------------|
| product brand name                                                      | Class 43                            |
| design of the product                                                   | Reversing contactor                 |
| special product feature                                                 | Dual voltage coil                   |
| <b>General technical data</b>                                           |                                     |
| weight [lb]                                                             | 22 lb                               |
| Height x Width x Depth [in]                                             | 20 × 12 × 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                      |
| country of origin                                                       | USA                                 |
| <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                                              | 10 hp                               |
| • at 575/600 V rated value                                              | 10 hp                               |
| <b>Contactors</b>                                                       |                                     |
| 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                               |
| operational current at AC at 600 V rated value                          | 27 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               | 2                                   |
| number of NO contacts at contactor for auxiliary contacts               | 2                                   |
| 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                              |

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| 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 1                                         |
| design of the housing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | indoors, usable on a general basis                  |
| <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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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 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 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 (Icu) <ul style="list-style-type: none"> <li>• at 240 V</li> <li>• at 480 V</li> <li>• at 600 V</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 14 A<br>10 A<br>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><br><b>Industry Mall (Online ordering system)</b><br><a href="https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:43DP32BC">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:43DP32BC</a><br><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:43DP32BC">https://support.industry.siemens.com/cs/US/en/ps/US2:43DP32BC</a><br><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=US2:43DP32BC&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:43DP32BC&amp;lang=en</a><br><b>Certificates/approvals</b><br><a href="https://support.industry.siemens.com/cs/US/en/ps/US2:43DP32BC/certificate">https://support.industry.siemens.com/cs/US/en/ps/US2:43DP32BC/certificate</a> |                                                     |



