

Please order US2:42BG35AJ

|                                                                                                   |                                                                   |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| product brand name                                                                                | Class 42 DP Contactors                                            |
| design of the product                                                                             | Non-reversing Definite Purpose Contactor                          |
| special product feature                                                                           | Snap on auxiliary contacts, enclosed body design                  |
| <b>General technical data</b>                                                                     |                                                                   |
| weight [lb]                                                                                       | 1.04 lb                                                           |
| Height x Width x Depth [in]                                                                       | 3.69 × 2.38 × 2.87 in                                             |
| touch protection against electrical shock                                                         | Not finger-safe                                                   |
| ambient temperature [°F]                                                                          |                                                                   |
| • during storage                                                                                  | 158 °F                                                            |
| • during operation                                                                                | 158 °F                                                            |
| ambient temperature                                                                               |                                                                   |
| • during storage                                                                                  | 75 °C                                                             |
| • during operation                                                                                | 70 °C                                                             |
| country of origin                                                                                 | China                                                             |
| number of poles for main current circuit                                                          | 3                                                                 |
| <b>Horsepower ratings</b>                                                                         |                                                                   |
| yielded mechanical performance [hp] for 3-phase AC motor                                          |                                                                   |
| • at 460/480 V rated value                                                                        | 10 hp                                                             |
| • at 575/600 V rated value                                                                        | 15 hp                                                             |
| <b>Contactors</b>                                                                                 |                                                                   |
| size of contactor                                                                                 | 30A                                                               |
| 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                                                    | 120 A                                                             |
| mechanical service life (operating cycles) of the main contacts typical                           | 250000                                                            |
| <b>Auxiliary contact</b>                                                                          |                                                                   |
| number of NC contacts for auxiliary contacts                                                      | 4                                                                 |
| number of NO contacts for auxiliary contacts                                                      | 4                                                                 |
| number of NC contacts at contactor for auxiliary contacts                                         | 0                                                                 |
| number of NO contacts at contactor for auxiliary contacts                                         | 0                                                                 |
| number of total auxiliary contacts maximum                                                        | 4                                                                 |
| operational current of auxiliary contacts of contactor                                            |                                                                   |
| • at AC at 600 V                                                                                  | 10 A                                                              |
| contact rating of auxiliary contacts of contactor according to UL                                 | 10A@600VAC (A600), 11A 1/2HP 125-250VAC, 0.6A 125VDC, 0.3A 250VDC |
| <b>Coil</b>                                                                                       |                                                                   |
| control supply voltage                                                                            |                                                                   |
| • at AC at 50 Hz rated value                                                                      | 24 V                                                              |
| • at AC at 60 Hz rated value                                                                      | 24 V                                                              |
| <b>Enclosure</b>                                                                                  |                                                                   |
| degree of protection NEMA rating of the enclosure                                                 | Open device (no enclosure)                                        |
| <b>Mounting/wiring</b>                                                                            |                                                                   |
| mounting position                                                                                 | vertical                                                          |
| fastening method                                                                                  | Surface mounting and installation                                 |
| type of electrical connection for supply voltage line-side                                        | screw terminal                                                    |
| tightening torque [lbf-in] for supply                                                             | 40 lbf-in                                                         |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded | 8 AWG                                                             |
| type of electrical connection for load-side outgoing feeder                                       | Screw-type terminal                                               |
| type of connectable conductor cross-sections for AWG cables                                       | 8 AWG                                                             |

|                                                                   |                                      |
|-------------------------------------------------------------------|--------------------------------------|
| for load-side outgoing feeder single or multi-stranded            |                                      |
| type of electrical connection of magnet coil                      | Quick-release lock, Screw terminal   |
| type of electrical connection for auxiliary and control circuit   | Quick Connects, Screw-type terminals |
| type of electrical connection at contactor for auxiliary contacts | Screw-type terminals                 |
| <b>Certificates/ approvals</b>                                    |                                      |
| certificate of suitability                                        | cRUus, ARI 780 & 790, UL File E14900 |
| <b>Approvals Certificates</b>                                     |                                      |
| <b>Test Certificates</b>                                          |                                      |



#### 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=US2:42BF35AJ>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:42BF35AJ>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=US2:42BF35AJ&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42BF35AJ&lang=en)

Certificates/approvals

<https://support.industry.siemens.com/cs/US/en/ps/US2:42BF35AJ/certificate>

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