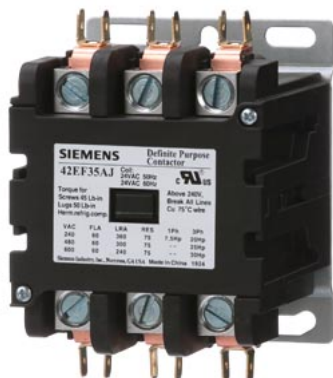




Contactor, 42DP,60A,3P,Open,24V Contactor, 42DP,60A,3P,Open,24V

|                                                                         |                                                                   |
|-------------------------------------------------------------------------|-------------------------------------------------------------------|
| 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]                                                             | 1.59 lb                                                           |
| Height x Width x Depth [in]                                             | 4.04 × 2.87 × 3.11 in                                             |
| touch protection against electrical shock                               | Not finger-safe                                                   |
| ambient temperature [°F]                                                |                                                                   |
| • during storage                                                        | 158 °F                                                            |
| • during operation                                                      | 158 ... 158 °F                                                    |
| ambient temperature                                                     |                                                                   |
| • during storage                                                        | 75 °C                                                             |
| • during operation                                                      | 70 ... 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                                              | 25 hp                                                             |
| • at 575/600 V rated value                                              | 30 hp                                                             |
| <b>Contactor</b>                                                        |                                                                   |
| size of contactor                                                       | 60A                                                               |
| 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                          | 240 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                                                         | Box lug                              |
| tightening torque [lbf-in] for supply                                                                              | 50 ... 50 lbf-in                     |
| type of connectable conductor cross-sections at line-side for AWG cables single or multi-stranded                  | 2 AWG                                |
| type of electrical connection for load-side outgoing feeder                                                        | Box lug                              |
| type of connectable conductor cross-sections for AWG cables for load-side outgoing feeder single or multi-stranded | 2 AWG                                |
| type of electrical connection of magnet coil                                                                       | Quick connects, Screw-type terminals |
| 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>                                                                                           |                                      |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <p><b>Industrial Controls - Product Overview (Catalogs, Brochures,...)</b><br/> <a href="http://www.usa.siemens.com/iccatalog">www.usa.siemens.com/iccatalog</a></p> <p><b>Industry Mall (Online ordering system)</b><br/> <a href="https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:42EF35AJ">https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:42EF35AJ</a></p> <p><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br/> <a href="https://support.industry.siemens.com/cs/US/en/ps/US2:42EF35AJ">https://support.industry.siemens.com/cs/US/en/ps/US2:42EF35AJ</a></p> <p><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=US2:42EF35AJ&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42EF35AJ&amp;lang=en</a></p> <p><b>Certificates/approvals</b><br/> <a href="https://support.industry.siemens.com/cs/US/en/ps/US2:42EF35AJ/certificate">https://support.industry.siemens.com/cs/US/en/ps/US2:42EF35AJ/certificate</a></p> |

last modified:

5/25/2021