SIEMENS

## Data sheet US2:42EF35AJ

| | |
|---|---|
| | 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 |
| **General technical data** | |
| Weight [lb] | 1.59 lb |
| Height x Width x Depth [in] | 4.04 × 2.87 × 3.11 in |
| Protection against electrical shock | Not finger-safe |
| Ambient temperature [°F] | |
| • during storage maximum | 158 °F |
| • during operation maximum | 158 °F |
| Ambient temperature | |
| • during storage maximum | 75 °C |
| • during operation maximum | 70 °C |
| Country of origin | China |
| Number of poles for main current circuit | 3 |
| **Horsepower ratings** | |
| Yielded mechanical performance [hp] for three-phase AC motor | |
| • at 460/480 V rated value | 25 hp |
| • at 575/600 V rated value | 30 hp |
| **Contactor** | |
| 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 |
| Operating current at AC at 600 V rated value | 240 A |
| Mechanical service life (switching cycles) of the main contacts typical | 250000 |
| **Auxiliary contact** | |
| 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 |


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| | |
|---|---|
| Operating 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 |

## Coil

| | |
|---|---|
| Control supply voltage | |
| • at AC at 50 Hz rated value | 24 V |
| • at AC at 60 Hz rated value | 24 V |

## Enclosure

| | |
|---|---|
| Degree of protection NEMA rating of the enclosure | Open device (no enclosure) |

## Mounting/wiring

| | |
|---|---|
| Mounting position | vertical |
| Mounting type | 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 at AWG conductors single or multi-stranded | 2 AWG |
| Type of electrical connection for load-side outgoing feeder | Box lug |
| Type of connectable conductor cross-sections at AWG conductors 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 current circuit | Quick Connects, Screw-type terminals |
| Type of electrical connection at contactor for auxiliary contacts | Screw-type terminals |

## Certificates/approvals

| | |
|---|---|
| Certificate of suitability | cRUus, ARI 780 & 790, UL File E14900 |

## Further information

**Industrial Controls - Product Overview (Catalogs, Brochures,…)**
www.usa.siemens.com/iccatalog

**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/us/Catalog/product?mlfb=US2:42EF35AJ

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/US/en/ps/US2:42EF35AJ

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42EF35AJ&lang=en

**Certificates/approvals**
https://support.industry.siemens.com/cs/US/en/ps/US2:42EF35AJ/certificate

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