

Contactor, 42DP,30A,3P,Open,120 Contactor,
42DP,30A,3P,Open,120

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| 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

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| Weight [lb] | 1.04 lb |
| Height x Width x Depth [in] | 3.69 × 2.38 × 2.87 in |
| Protection against electrical shock | Not finger-safe |
| Ambient temperature [°F] | |
| <ul style="list-style-type: none"> during storage maximum during operation maximum | 158 °F 158 °F |
| Ambient temperature | |
| <ul style="list-style-type: none"> during storage maximum during operation maximum | 75 °C 70 °C |
| Country of origin | China |
| Number of poles for main current circuit | 3 |

Horsepower ratings

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|--|----------------|
| Yielded mechanical performance [hp] for three-phase AC motor | |
| <ul style="list-style-type: none"> at 460/480 V rated value at 575/600 V rated value | 10 hp 15 hp |

Contactors

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|---|--------|
| 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 |
| Operating current at AC at 600 V rated value | 120 A |
| Mechanical service life (switching cycles) of the main contacts typical | 250000 |

Auxiliary contact

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|---|---|
| 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 <ul style="list-style-type: none"> • 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

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|---|------------------------|
| Control supply voltage <ul style="list-style-type: none"> • at AC at 50 Hz rated value • at AC at 60 Hz rated value | 110 V 110 ... 120 V |
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Enclosure

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| Degree of protection NEMA rating of the enclosure | Open device (no enclosure) |
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Mounting/wiring

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| Mounting position | vertical |
| Mounting type | Surface mounting and installation |
| Type of electrical connection for supply voltage line-side | Screw-type terminals |
| Tightening torque [lbf-in] for supply | 40 ... 40 lbf-in |
| Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded | 8 AWG |
| Type of electrical connection for load-side outgoing feeder | Screw-type terminals |
| Type of connectable conductor cross-sections at AWG conductors for load-side outgoing feeder single or multi-stranded | 8 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

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|----------------------------|--------------------------------------|
| Certificate of suitability | cRUus, ARI 780 & 790, UL File E14900 |
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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=US2:42BF35AF>

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

<https://support.industry.siemens.com/cs/US/en/ps/US2:42BF35AF>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42BF35AF&lang=en

Certificates/approvals

<https://support.industry.siemens.com/cs/US/en/ps/US2:42BF35AF/certificate>

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