

Contactor, 42DP,30A,3P,Open,24V Contactor,  
42DP,30A,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]	1.04 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"> <li>during storage maximum</li> <li>during operation maximum</li> </ul>	158 °F 158 °F
Ambient temperature	
<ul style="list-style-type: none"> <li>during storage maximum</li> <li>during operation maximum</li> </ul>	75 °C 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	
<ul style="list-style-type: none"> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul>	10 hp 15 hp

### Contactors

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

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

Operating current of auxiliary contacts of contactor <ul style="list-style-type: none"> <li>• at AC at 600 V</li> </ul>	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 <ul style="list-style-type: none"> <li>• at AC at 50 Hz rated value</li> <li>• at AC at 60 Hz rated value</li> </ul>	24 V 24 V
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### Enclosure

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

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

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](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, ...)**

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