

Contactor, 42DP,30A,2P,Open,120 Contactor,  
42DP,30A,2P,Open,120



Figure similar

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]	1.03 lb
Height x Width x Depth [in]	3.69 x 2.38 x 2.87 in
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	2
Contactor	
Size of contactor	30A

Number of NO contacts for main contacts	2
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	
• 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

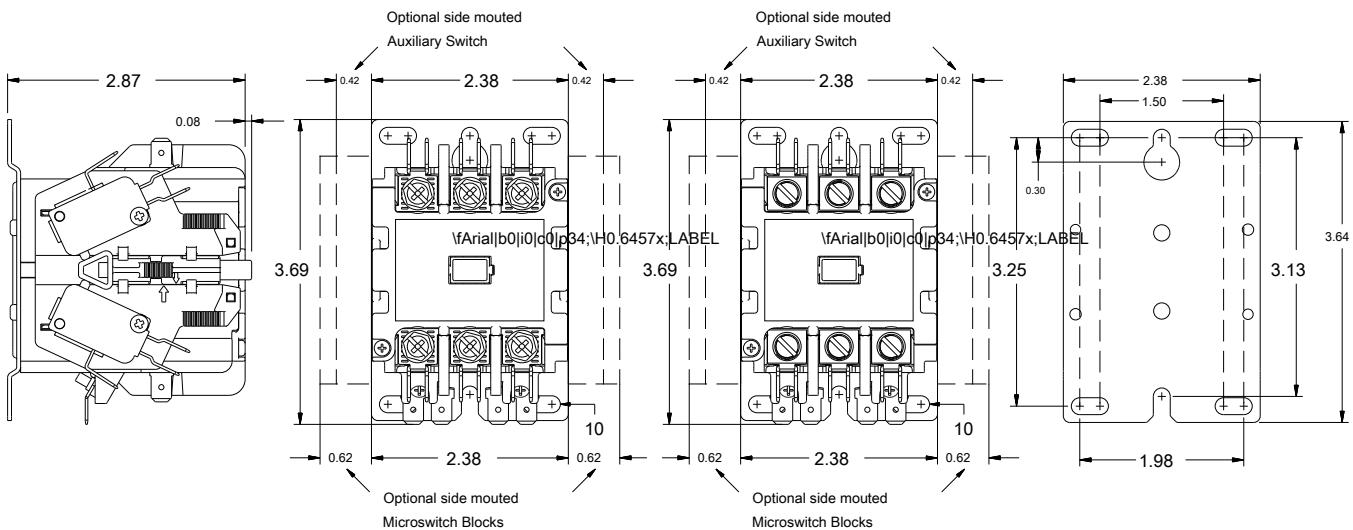
Coil	
Control supply voltage	
• at AC at 50 Hz rated value	110 V
• at AC at 60 Hz rated value	110 ... 120 V

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	25 ... 25 lbf·in
Type of connectable conductor cross-sections at line-side at AWG conductors single or multi-stranded	4 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	4 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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## 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=US2:42BF15AF>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/US/en/ps/US2:42BF15AF>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=US2:42BF15AF&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=US2:42BF15AF&lang=en)**Certificates/approvals**<https://support.industry.siemens.com/cs/US/en/ps/US2:42BF15AF/certificate>

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