

Contactor, 42DP,50A,3P,Open,24V Contactor,  
42DP,50A,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	20 hp

- at 575/600 V rated value

25 hp

## Contactor

Size of contactor	50A
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	200 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	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

