

The DC66P is a compact contactor following the established design of our mono block contactors, configured specifically for motor reversing. Suitable for Direct Current loads and compatible with modern electronic control systems, the DC66P is sealed to IP66 and is ideal for use in applications such as battery powered winches, vehicle mounted cranes and small electric vehicles. Devised for both interrupted and uninterrupted loads, the DC66P is suitable for switching Resistive, Capacitive and Inductive loads.

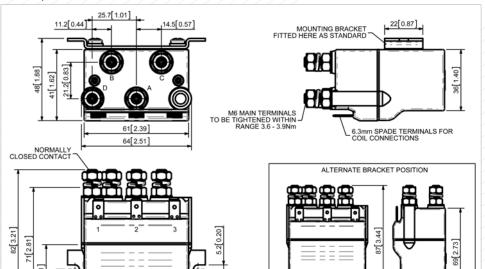
Application	Interrupted Uninterrupted				
hermal Current Rating (Ith)	80A				
ntermittent Current Rating:					
30% Duty	145A				
10% Duty	125A				
50% Duty	115A				
60% Duty	105A				
70% Duty	95A				
Rated Fault Current Breaking Capac in accordance with UL583*)	ity ([/] cn) 5ms Time Constant:				
DC66P	500A at 60V D.C.				
Rated Fault Current Breaking Capac (in accordance with UL508*)	_				
DC66P	120A at 48V D.C.				
Maximum Recommended Contact Vo	oltages (U _e):				
DC66P	48V D.C.				
Гурісаl Voltage Drop per pole across New Contacts at 80A	<40mV				
Mechanical M.T.B.F	>3 x 10 ⁶				
Coil Voltage Available (Us)	From 6 to 130V D.C.				
Coil Power Dissipation:					
Highly Intermittent Rated Types	14 - 21 Watts				
ntermittently Rated types	10 - 14 Watts				
Prolonged Rated Types	7 - 10 Watts				
Continuously Rated Types	5 - 7 Watts				
Maximum Pull-In Voltage (Coil at 20° C) Guideline:					
Highly Intermittent Rated types Max 25% Duty Cycle)	60% U _S				
ntermittently Rated types Max 70% Duty Cycle)	60% U _S				
Prolonged Operation Max 90% Duty Cycle)	60% U _s				
Continuously Rated Types 100% Duty Cycle)	66% U _S				
Orop-Out Voltage Range	10 - 25% U _S				
Typical Pull-In Time	15ms				
Typical Drop-Out Time (N/O Contacts					
Nithout Suppression	6ms				
With Diode Suppression	35ms				
Nith Diode and Resistor (Subject to resistance value)	8 - 20ms				
Typical Main Contact Changeover Ti	7				
Normally Closed to Normally Open	6ms				
Normally Open to Normally Closed	6ms				
Typical Contact Bounce Period	3ms				
Operating Ambient Temperature	- 40°C to + 60°C				
Guideline Contactor Weight:					
DC66P	460 gms				
Advised Connection Sizes for Max					
Copper busbar	52 mm² [0.08 inch²]				
Cable	Rated suitable for Application				

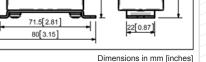
- Interrupted current opening and closing on load with frequent switching (results in increased contact resistance).
- Uninterrupted current no or infrequent load switching requirements (maintains a lower contact resistance).

The main contact circuit has a built in fail safe, so that if both coils are energised simultaneously the contact arrangement is open circuit. The DC66P has double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The DC66P has M6 main stud terminals and coil connections are by means of 6.3mm spades.



DC00P





DC66P Available Options

Pigures are for guideline purposes only

Figures are for guideline purposes only

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Current (Amperes)

Contact Performance Key:

Connection Diagram

71.5[2.81] 80[3.15]

24[0.94]

Interrupted and Uninterrupted Current

-VE -VE 1 3+VE

	General		ા	шк
	Auxiliary Contacts	X		
	Auxiliary Contacts - V3	X		
	Magnetic Blowouts†	X		
	Magnetic Blowouts - High Powered†	X		
	Armature Cap	X		
	Mounting Brackets	•		
	Magnetic Latching [†] (Not fail safe)	X		
	Closed Contact Housing	•		
	Environmentally Protected IP66	•		Р
	EE Type (Steel Shroud)	X		
	Contacts			
ì	Large Tips	X		
ľ	Textured Tips	X		
1	Silver Plating	X		
	Coil			
	AC Rectifier Board (Fitted)	X		
	Coil Suppression [†]	0		
	Flying Leads	X		
	Manual Override Operation	X		
	M4 Stud Terminals	0		
	M5 Terminal Board	X		
	Vacuum Impregnation	X		
	Key: Optional ○ Standard • N	lot Availab	ole	Χ
	† Connections become polarity sensitiv	⁄e		

- Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application.
- Thermal current ratings stated are dependant upon the size of conductor being used
- For further technical advice email: technical@albrightinternational.com
 Albright reserve the right to change data without prior notice

Note: Where applicable values shown are at 20°C

* Please check our web site for product UL status