Thermal Current Rating ([/] th)	100A
	TUUA
Intermittent Current Rating:	
30% Duty	185A
40% Duty	160A
50% Duty	140A
60% Duty	130A
70% Duty	120A
Rated Fault Current Breaking Capac (in accordance with UL583*)	ity (^I cn) 5ms Time Constant:
DC88	800A at 48V
DC88B	600A at 80V
Maximum Recommended Contact Vo	
DC88	48V D.C.
DC88B	96V D.C.
Typical Voltage Drop per pole across	
Normally Open	40mV
Normally Closed	50mV
Mechanical Durability	>5 x 10 ⁶ Cycles
Coil Voltage Available (U _S) (<i>Rectifier board required for A.C.)</i> Coil Power Dissipation:	From 6 to 240V D.C.
Highly Intermittent Rated Types	20 - 30 Watts
Intermittently Rated types	15 - 20 Watts
Prolonged Rated Types	13 - 15 Watts
Continuously Rated Types	7 - 13 Watts
Maximum Pull-In Voltage (Coil at 20°	
Highly Intermittent Rated types (Max 25% Duty Cycle)	60% U _s
Intermittently 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
Drop-Out Voltage Range	10 - 25% U _s
Typical Pull-In Time	20ms
Typical Drop-Out Time (N/O Contacts	s to Open):
Without Suppression	5ms
With Diode Suppression	50ms
With Diode and Resistor (Subject to resistance value)	8 - 20ms
Typical Main Contact Changeover Ti	me (milliseconds):
Normally Closed to Normally Open	7ms
Normally Open to Normally Closed	4ms
Typical Contact Bounce Period	3ms
Operating Ambient Temperature	- 40°C to + 60°C
Guideline Contactor Weight:	
DC88	990 gms
Per Auxiliary	+ 20 gms
With Blowouts	+ 50 gms
Auxiliary D Auxiliary Thermal Current Rating	etails 5A
Auxiliary Contact Switching Capal	A
	5A at 24V D.C.
	2A at 48V D.C.
	0.5A at 240V D.C.
Connection Conductor Sizes for Max Should be Rated Suitable for Applica	imum Continuous Current

International

Note: Where applicable values shown are at 20°C

* Please check our web site for product UL status

Performance data provided should be used as a guide only. Some from figures may be necessary according to application.

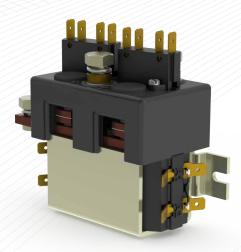
- Thermal current ratings stated are dependant upon the size of cond For further technical advice email: technical@albrightinternational
- Albright reserve the right to change data without prior notice

The DC88 motor reversing type of contactor has been designed for direct current loads, particularly motors as used on electric vehicles such as industrial trucks. The DC88 is a monoblock construction, resulting in a compact design which is compatible with modern electronic control systems. Developed for both interrupted and uninterrupted loads, the DC88 is suitable for switching Resistive, Capacitive and Inductive loads.

1000

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).



DC88A (with integral bracket)



DC88 (with optional tapped holes)

900 800 700

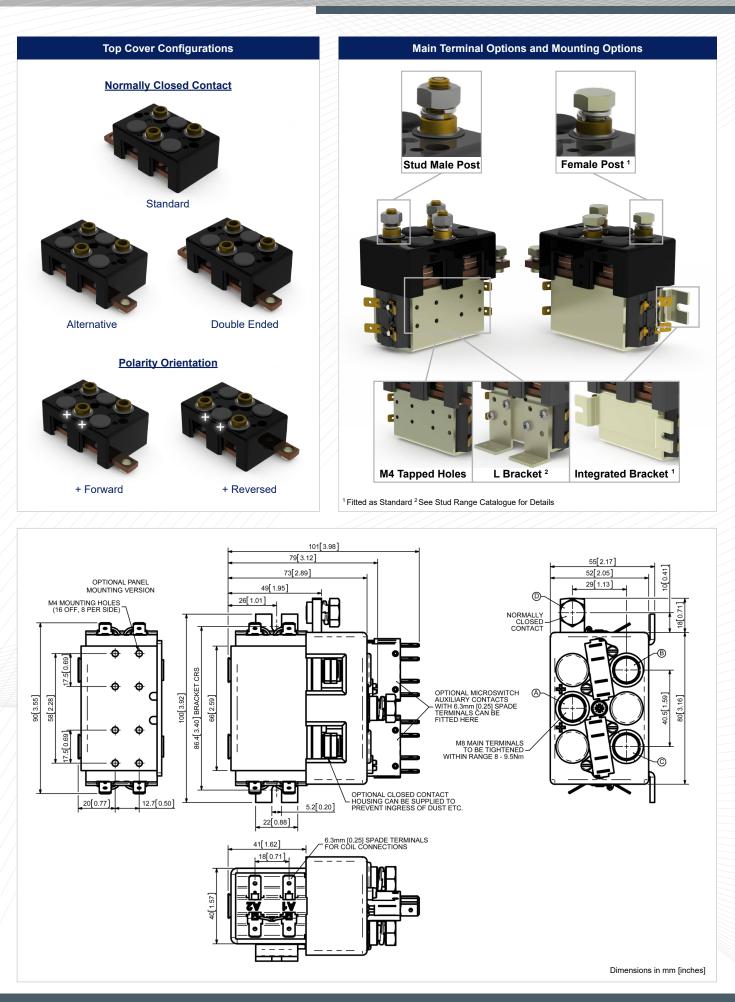
Contac

The main contact circuit, designed for motor reversing, has a built in failsafe, so that if both coils are energised simultaneously the contact arrangement is open circuit. The DC88 has double breaking main contacts with silver alloy contact tips, which are weld resistant, hard wearing and have excellent conductivity. The DC88 M8 main stud terminals can be configured in a variety of ways in order to suit the application. Coil connections are by means of 6.3mm spades and mounting is via the supplied bracket and can be horizontal or vertical, when vertical the M8 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.

DC88 Contactor Performance		DC88 Available Options	
		General	Suffi
	Figures are for guideline purposes only	Auxiliary Contacts	0 A
		Auxiliary Contacts - V3	х
		Magnetic Blowouts [†]	о В
		Magnetic Blowouts - High Powered [†]	о В
		Armature Cap	0
		Mounting Brackets (For options see overleaf)	0
	Magnetic Latching [†] (Not fail safe)	0 M	
		Closed Contact Housing [‡]	0
		Environmentally Protected IP66 (see DC88-1000P Catalogue sheet)	0 P
and an and and and an an an an		EE Type (Steel Shroud)	0
Currei	nt (Amperes)	Contacts	
de-rating or variation ductor being used		Large Tips	0 L
	Connection Diagram	Textured Tips	0 T
		Silver Plating	х
		Coil	
		AC Rectifier Board (Fitted)	0
	Coil Suppression [†]	0	
	Flying Leads	• F	
	Manual Override Operation	0	
	M4 Stud Terminals	Х	
	M5 Terminal Board	0	
	Vacuum Impregnation	0	
		Key: Optional O Standard	Not Available X
.com		[†] Connections become polarity sensitive	9
		[‡] Open Housing Available	

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DC88 Monoblock Single Pole Double Throw for Motor Reversing (Part of the SW80 Series)



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International

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