

DJQ20 Series LVDC Contactor 200A / 48VDC

UK C C RoHS

NOT FOR NEW DESIGN



URAKOOL

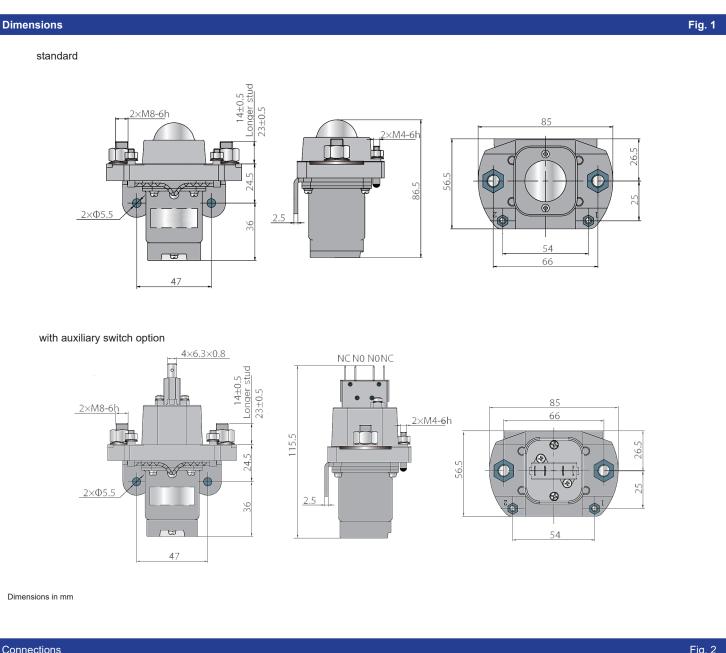
- Rated load: 200A at 48VDC
- · Double coil economiser
- · Auxiliary contact option
- M8 Power terminations
- · Battery storage applications
- Electric vehicles and DC motors

		CA C C C S Compliant			
Contacts		Ordering Code			
Contact arrangement	SPST-NO-DM				
Contact material	AgCu alloy	DJQ20 - 4 0 2 1 - 3 8 - 1 0 1 2 -			
Max. switching voltage DC	48VDC	Series Coil code:			
Rated load (resistive $\cos \phi$ =1) DC1	200A 48VDC				
Continuous thermal current max.	200A	See table 1			
Terminal temperature rise above ambient	<70°C. (IEC EN60947, GB14/140484)	Contact arrangement 4021: SPST-NO-DM			
Voltage drop	≤80mV @ 200A				
Auxiliary contact (when fitted) arrangement	SPST-NO + SPST-NC				
max. current	5A @ 24VDC / 2A @ 48VDC	Body style			
min. current	100mA @ 5VDC	38: Enclosed, M8 Male stud power terminals			
Coil					
Rated voltage DC	12, 24, 48, 60VDC - see table 1	Accessory options			
Nominal"on hold" power consumption max	9W	Blank: No options			
Working duty	Continuous	S: Auxiliary switch			
Insulation		M: Dust-proof sealing ring			
Insulation resistance initial	100MΩ (Min.) @500VDC				
life end	50MΩ (Min.)	Power terminal options			
Dielectric strength coil to contact	1000Vrms (50/60Hz) / <1mA / 1 min (at sea level)	Blank: Standard - 14mm length			
contact to contact	1000Vrms (50/60Hz) / <1mA / 1 min (at sea level)	L: Extended terminals - 23mm length			
General Data					
Operate time inc. bounce at 20°C	<50ms	NB:			
Release time	<50ms	Mounting orientation: The DJQ20 may be mounted horizontally, but if mounted			
Electrical life (at rated load) ops.	50,000 operations	vertically, the coil should be positioned downwards, with the			
Mechanical life ops.	1 x 10 ⁵	terminals uppermost.			
Environmental					
Ambient temperature operating	-40°C to +65°C				
Relative humidity	20 to 90%RH				
Shock resistance	≤4g, (60 ~ 100ops/min)				
Vibration resistance	≤3.5g sine peak (10 to 200Hz)				
Dimensions L x W x H	85 x 56.5 x 76mm (excluding aux.switch)				
Weight approx.	495g				

Specifications are subject to change without notice. E&OE.



Coil Data						Table 1
Coil code	Nominal voltage (VDC) U _s	Working voltage range (V)	Must operate voltage max. (VDC)	Must release voltage min. (VDC)	Starting current (A)	Holding current (A)
1012	12	0.85U₅ ~ 1.1U₅	8.4	1.2	≤ 9.0	≤ 0.6
1024	24		16.8	2.4	≤ 4.5	≤ 0.35
1048	48		33.6	4.8	≤ 3.5	≤ 0.15
1060	60		42.0	6.0	≤ 2	≤ 0.15





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