

Parameter	DCM-RBS-12-500 art # 5074510	DCM-RBS-24-500 art # 5074520	DCM-TBP-12-500 art # 5074410	DCM-TBP-24-500 art # 5074420
Main contact circuit (electrical)				
Rated voltage	60Vdc			
Nominal current	500A			
Cranking current (1 min.)	1000A			
Nominal make / break current	500A (0 – 34Vdc) 350A (35 – 60Vdc)			
Peak make / break current	1600A (0 – 34Vdc) 1200A (35 – 60Vdc)			
Control circuit (electrical)				
Coil / supply voltage (+Vdc)	7 – 17Vdc	14 – 34Vdc	7 – 17Vdc	14 – 34Vdc
Coil / supply current (idle state) ¹⁾	< 100uA			
Coil / supply current (state change) ¹⁾	< 4A	< 3A	< 4A	<3A
Features				
Remote battery switch function	•	•	•	•
Battery protect function	x	x	•	•
Local open / close controls	•	•	•	•
External open / close control wires	•	•	•	•
Contact status indicators	•	•	•	•
Contact status feedback wire	•	•	•	•
Override mode ²⁾	x	x	•	•
Number of control modes	5	5	7	7
Programmable disconnect voltages	x	x	9.0 – 12.2Vdc	18.0 – 24.5Vdc
Programmable reconnect voltages	x	x	10.5 – 13.8Vdc	21.0 – 27.5Vdc
General				
Remote control	By control wires			
Local control ³⁾	Top side buttons (On/Standby, Close contact, Open contact)		Top side buttons (On/Standby, Close contact, Open contact, Override mode)	
Indicators	Top side LEDs for Contact open, Contact closed, Error and Setup			
Mechanical / Electrical life	100000 cycles / 10000 cycles			
Operating temperature range	-20...+60°C			
Connection stud size	M10			
DC Modular grid size	1 x 3			
Protection class	IP65			
Dimensions	150.0 x 50.0 x 94.0 mm			
Weight	800gr			
Standards	CE certified (EMC Directive 2014/30/EU, Low voltage Directive 2014/35/EU, RoHS Directive 2011/65/EU and Ignition protection standard ISO 8846)			

Note: the given specifications are subject to change without notice.

¹⁾ Due to the magnetic latch construction, the DCM RBS and TBP draw virtually no current in the ON or OFF state. A current draw only exists shortly (500ms max) when changing the state of the contact.

²⁾ Override mode allows the contact to be temporarily closed, despite being automatically opened earlier due to a battery under voltage. This is intended for jumpstarting a low battery system.

³⁾ Using the top side buttons, one can manually override the switch state as commanded through the control wires. A dedicated 'On/Standby' button also allows the user to put the DCM RBS or TBP in a standby mode with open contact. In this mode any commands from the control wires and/or manual override buttons are ignored.

Accessories

Panel Switch Momentary SPDT + LED art# 5095000-1

With this optional panel switch you can send open and close commands to the RBS and TBP contactors from a convenient location. The integrated LED indicates when the contact is closed or when the contactor is running in a certain mode.

