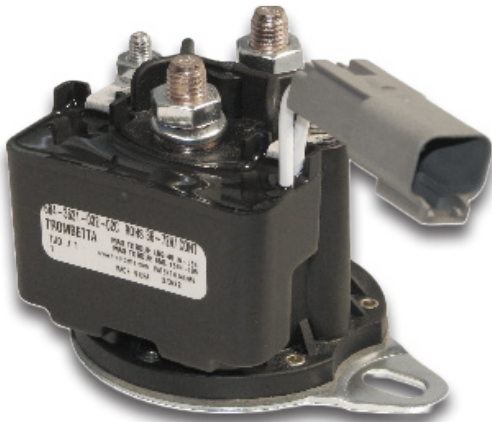


PN: 684-3621-032-02C



## Description

Designed with low voltage electric vehicles in mind, this contactor provides a wider range of coil voltage to accommodate the wider functional voltage range of lithium ion batteries. This full Silver PowerSeal with built on coil economizer ensures full functionality of the contactor through a coil voltage range of 32-72VDC

## Features

- 200A Continuous
- 600A in rush
- Environmentally sealed
- Cost Effective
- Customizable (Electronic Module)

## Specifications

### Controller Connector

Housing: Deutsch DT04-2P  
Contacts: 0460-202-16141  
Wedglock: W2P

### Controller Mating Connector

Housing: Deutsch DT06-2S  
Contacts: 0462-201-16141  
Wedglock: W2S

## Contactors Specifications

Parameter	Min	Typ.	Max	Units	Notes
Sustained Duty Cycle	-	-	100	%	-
Max On Time	-	-	Continuous	-	-
Max Current Draw	-	-	700mA	-	100% duty cycle at max voltage
Inductive Load Carry/Interrupt	-	-	200/225	Amps	-
Peak Inductive In-Rush Capability	-	-	600	Amps	-
Electrical Life Cycle	-	-	50,000	Cycles	65V 600A in rush, 200 carry

## Pinout

PIN	NAME	DETAILS
1	Battery/Power Input	32-72VDC
2	Ground	(Battery/Power Return, Negative)

Note that the module's power input is not polarized. Pins 1 and 2 can be swapped with no change to function.

## Controller Electrical Specifications

Parameter	Min	Typ.	Max	Units	Notes
Functional Battery Voltage	32	48	72	VDC	Power supply is not polarized
Turn on Current Consumption	-	-	700	mA	72VDC, 50ms
Steady State Current Consumption	-	300	-	mA	48VDC
Load Dump	-	-	-	-	No Protection. Ability to add protection if needed
Electrostatic Discharge (ESD)	8	-	8	kV	All pins. 8kV for air, 8kV for contact. Testing to be performed

## Environmental Specifications (Storage up to 125°)

Parameter	Min	Typ.	Max	Units	Notes
Storage/Operating Temperature	-40	-	85	C	Both controller and contactor
Storage/Operating Humidity	0	-	100	%	Including condensing. Both controller and contactor
Ingress Protection	-	-	IP67	-	Tested
Vibration	-	-	8.17	G	Rms 5 Hz-2000Hz
Mechanical Shock	-	-	25	G	-



## Product Dimensions

