Process State	Life Cycle Status	Date	Document Code	Revi	Issue	Langu
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Document Responsible		
EES/SE Design		
Prepared	**Name**	**Reference**
EES/SE Design	Carlsson, Per	

CONTACTOR MONOSTABLE, NC DC OPERATED 400A 48V 1Pole

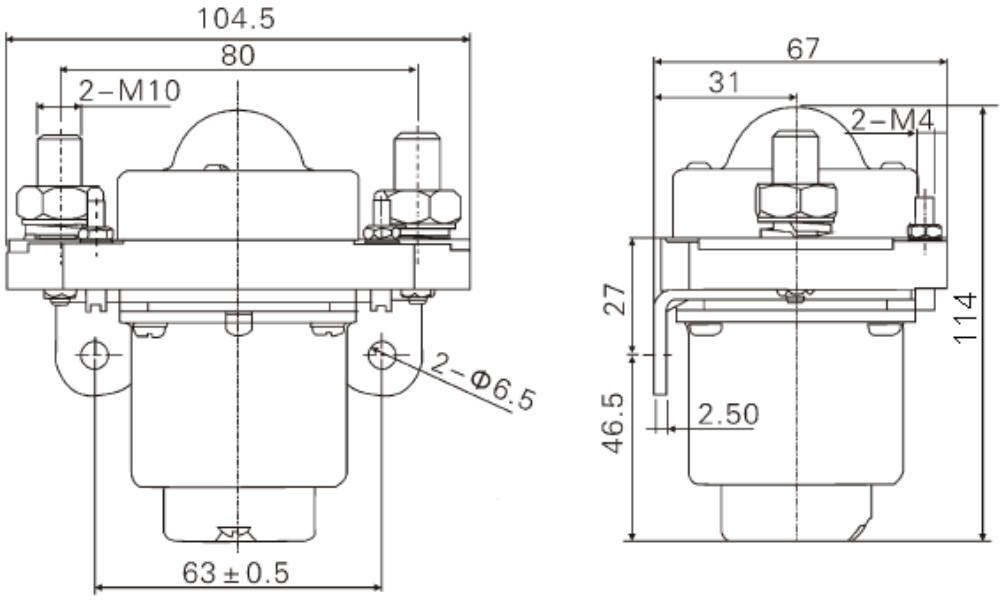
1 GENERAL

Monostable DC Contactor with normally closed contacts (NC).

The contactor is aimed for DC power systems as Low Voltage Disconnect device.

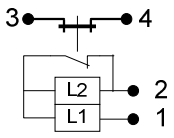
Shall meet specification IEC 61204-7, IEC 60947-4, GB140 48.4 and UL 508.

2 DESIGN



3 FUNCTIONAL AND PARAMETER SPECIFICATION

3.1 SYMBOL



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3.2 TECHNICAL DATA

Parameter		Data	
Coil Voltage		48V	
Max coil steady state current at 42V and 20°C		0.2A @ 42V	
Max Pick-up current at 42V and 20°C		5A @ 42V	
Contact voltage		48V	
Load current continuous		400A	
Operating voltage in cold state (20±5°C)		Pick up	<34VDC
		Release	2.5-15VDC
Operating voltage Range		+/-20%	
Max Contact Voltage drop at 100A		50mV	
Max Make-Break ability of contact		5ms between one make and break at four times rated load	
Max operating time at rated voltage. (No suppression circuit on coil)	Pick-up	30ms	
	Release	30ms	
Max bounce times when contact breaks		3	
Puncture strength		50Hz, 1000VAC, 1 min	
Life tested according to IEC 60 947-4 and IEC 61204-7 with DC1-load		Max 30mV contact voltage drop shall be maintained at 100A.	
Working Duty		Continuous	
Ambient temperature		-40 to +70°C	
Relative humidity at 20°C		98%	
Vibration Frequency at fixed position		1-50Hz (freq1-10Hz, ampl. 25/f; freq10-50Hz, ampl. $250/f^2$	
Shock acceleration (m/s^2)		$30m/s^2$	
Mounting direction		Any	
Weight		0.65kg	

4 INTERNAL INFORMATION

EES part no
RMT 310 43/1

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