

GACIA

High Voltage DC Contactor

EDC Series

Mainly applied to charging piles, new energy vehicles, photovoltaic energy storage, communication equipment, construction machinery, uninterrupted power supplies, etc



150~300A

Rated current



1000VDC

Rated switching
voltage

Energy-saving

Main contact
load polarity-free

Epoxy resin+
Nitrogen protection



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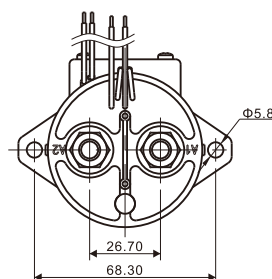
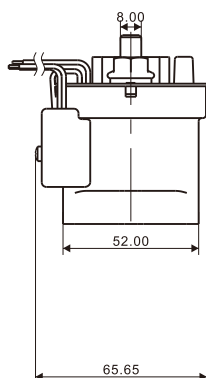
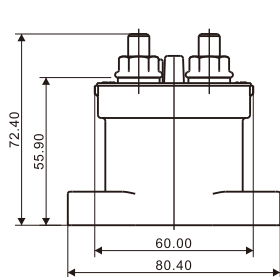
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Technical Parameters

Model		EDC150	EDC200	EDC250	EDC300
Main Contact Polarity		Non-polarized			
Main Contact		One set of normally open, bridge-type double breakpoints			
ModelAuxiliary Contact Model		One set of normally open, single pole single throw			
Main Contact Rated Voltage	Ui	12~1000VDC			
Main Contact Rated Current	Ie	150A	200A	250A	300A
Maximum Interrupting Current		1500AX320VDC 1times	2000AX320VDC 1times	2500AX320VDC 1times	2500AX320VDC 1times
High Voltage Testing	Disconnect Between contacts	3000Vrms , 1000Vrms(Between auxiliary contact), Electricity leakage current < 1mA			
	Between Contact and Coil	3000Vrms, Electricity leakage current < 1mA			
Insulation Electrical Resistance	Disconnect Between contacts	≥100MΩ@1000VDC			
	Between Contact and Coil	≥100MΩ@1000VDC			
Rated Coil Voltage	Us	12VDC/24VDC			
Coil Operating Range		9~36VDC			
Maximum Start-up Current		3.8A(0.1s)			
Keeping Current		0.18A/12V	0.18A/12V	0.18A/12V	0.18A/12V
		0.09A/24V	0.09A/24V	0.09A/24V	0.09A/24V
Mechanical Life		300000 times			
Electrical Life		6000 times (150Ax750VDC)	6000 times (200Ax750VDC)	6000 times (250Ax750VDC)	6000 times (300Ax750VDC)
		1000 times (150Ax1000VDC)	1000 times (200Ax1000VDC)	1000 times (250Ax1000VDC)	1000 times (300Ax1000VDC)
Temperature Range		-40℃~ +85℃			
Humidity Range		5% ~ 95% RH			

Dimensions



Dimension Range(mm)	Unnoted Tolerance
$L \leq 10$	± 0.3
$10 < L \leq 50$	± 0.5
$L > 50$	± 0.8