HEV200

HV direct current relay

Features

- Compact,light weight,low cost for enclosure,high current HV relay
- Able to attach energy saving module for coil
- Optional auxiliary contact,monitor the status of main contact in real time
- Highly sealed,safe and reliable because fully insulated from coil and contacts
- Availiable for multiple coil supply mode
- Compliance with ROHS

Relay Picture

ORDERING INFORMATION

HEV200 - [S] - [DC9V～36V] - [A] - [B] [M]

Model	Enclosure	Coil Voltage	Contact Form	The length for coil lead	Coil lead
	S - Plastic Sealed Type	DC9～36V,DC32V～95V, DC48～95V	A-1 Form A H-1 Form A with auxiliary NO contact G-1 Form A with auxiliary NC contact	Blank-90mm B-150mm	Blank-Untreated M-terminal post

SPECIFICATION

MAIN CONTACT PARAMETER

Contact Form		1 Form A
Contact Material		Ag Alloy
Contact Resistance		Typical 0.2mΩ(@200A)
Load	Rated switching load(Res)	200A 12～900VDC
	Rated switching current(Res)	200A
	Rated switching voltage	12～900VDC
	Max.switching current	Make500A, Break2000A@320VDC
Life	Electrical (Res 200A)	1×10^5cycles(28VDC) 25000cycles(120VDC) 10000cycles(270VDC) 3000cycles(400VDC) 800cycles(600VDC) 150cycles(900VDC)
	Mechanical	1×10^6

GENERAL DATA

Insulation Resistance		Min.100MΩ 500VDC
Dielectric Strength	Between open contacts	2,200VAC,50/60Hz,1min
	Between coil and contacts	2,200VAC,50/60Hz,1min
Operate Time *1		Max.35ms
Reset Time *2		Max.12ms
Temperature		40℃ to +85℃
Relative Humidity		5～85%RH(no dew and frost at low temp), 40℃
Vibration resistance		Sine wave 80-2000Hz Peak, ≤20G
Shock resistance		11ms,1/2 Sine wave peak,≤20G
Weight		Approximately43g

Note:Data shown are of initial value

*1: Nominal voltage, containing contact bouncing time
* 2: Contain arc time @2000A

AUXILIARY CONTACT PARAMETER

Contact Form	1 Form A
Contact switching capability	2A 30VDC/3A 125VAC
Min.Contact switching load	100mA 8V

HEV200

HV direct current relay

COIL DATA

Ambient Temperature: 23℃

Nominal coil voltage	Operate voltage VDC(Max.)	Holding voltage VDC(Min.)	Release voltage VDC(Min.)	Transient transmit A(Max.)	Holding current A(average)	Transient transmit time ms(Max.)
9～36	9	7.5	6	3.8	0.13A@12V 0.07A@24V	130
32～95	32	22	18	1.3	0.03A@48V	130
48～95	48	34	27	0.7	0.02A@72V	130

OUTLINE (UNIT: mm)