









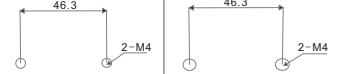
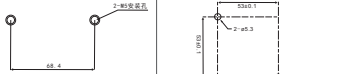

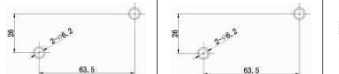
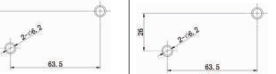


HIGH VOLTAGE HIGH CURRENT RELAY SELECTION GUIDE



WORLD PRODUCTS INC.® is the Exclusive Agent in North America for Ebusbar® HV Relays for EV.

PRODUCTS SELECTED SPEED

Product		EVC SERIES				EVR SERIES					
Nominal switching capacity		50A	100A	250A	350A	20A	40A	100A	120A	150A	200A
External dimensions		 55x35x58.5	 55x35x58.5	 80.4x52.8x73	 84.5x82x76.2	 78x39.2x35	 72x32.6x57.7	 77x40.4x76.2	 77x40.4x76.2	 79x41.1x84.3	 105.3x45x88
Contact arrangement		1a	1a	1a	1a	1a	1a	1a	1a	1a	1a
Characteristic		Ceramic seal structure, the contact chamber filling hydrogen mixed reducing gas, combined with magnetic arc blow				Ceramic seal structure, the contact chamber filling hydrogen mixed reducing gas, combined with magnetic arc blow					
Nominal coil voltage		12V, 24V		9V~36V		12V, 24V					
Max. Nominal switching capacity	350A 300A 250A 200A 150A 100A 50A			250A 450V DC	350A 450V DC			100A 450V DC	120A 450V DC	150A 450V DC	200A 450V DC
		50A 450V DC	100A 450V DC			20A 450V DC	40A 450V DC				
Min. switching capacity		1A 12 DC	1A 12 DC	1A 12 DC	1A 12 DC	1A 12 DC	1A 12 DC	1A 12 DC	1A 12 DC	1A 12 DC	1A 12 DC
life	Mechanical life	200,000 (ops)	200,000 (ops)	200,000 (ops)	200,000 (ops)	200,000 (ops)	200,000 (ops)	200,000 (ops)	200,000 (ops)	200,000 (ops)	200,000 (ops)
	Electrical life	10,000 (ops)	6,000(ops)	3,000(ops)	6,000(ops)	10,000(ops)	6,000(ops)	6,000(ops)	6,000(ops)	6,000(ops)	3,000(ops)
Dielectric strength	Between open contacts	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA
	Between contact and coil	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA	2500V AC 60 Sec.10mA
Nominal operating power		5.5W	5.5W	43.2W (0.1s) Keep.1.7w	45.6W (0.1s) Keep.3.4w	3.6W	3W	4.5W	4.5W	6W	34W (0.1s) Keep.4w
Mounting dimensions											

APPLICATION

- In the new energy vehicles (BEV,HEV,FCEV);
- AGV (unmanned delivery vehicles), scenic tour, golf cart
- In the cloud server and its driving power supply UPS
- In the charging station and charging pile
- Medical Devices
- ground heating system
- clean energy solar energy / wind power generation system
- In the construction equipment and construction machinery
- In the battery charging and discharging system, fast charging power supply;

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