

Electric Parameters

Contact type	A set of commutation contacts		Instantaneous maxi (closing) current	7Ie,≤1s	
Rated voltage of contacts (DC)	≤48V		Insulation resistance(MΩ)	≥100	
Rated current of contacts (A)	100		Dielectric withstand voltage	1500V,p.f. 1min, no breakdown	
Voltage drop on contacts(mV)	≤100		Electric cycles (10 ⁴)	≥2	
Coil voltage specification(DC)	12V, 24V, 48V, 72V etc		Mechanical cycles (10 ⁴)	≥30	
DC power consumption of coil (W)	Long term ≤9W	Short term ≤21W	Temperature rise on outgoing terminal	≤65	
Pickup voltage(DC)	≤75%Us		Temperature rise of coil(K)	≤85	
Release voltage(DC)	≥5%Us;≤40%Us		Insulation grade of enameled wire	Class B (130°C)	
Pickup time(ms)	≤30		Material of contact	AgCuO(10)/Cu	
Release time(ms)	≤50		Working duty	Continuous operating duty	

Mechanical/Ambient Conditions

Torque of outgoing terminal on contact M10(N.m)	≥9.0N appropriate		Protection grade	IP67	
Coil wiring insert	0.8		Mounting methods	Freely	
Working temperature	(-25~+55)°C		Vibration	Sine shock: 2.5g, (5~50) Hz	
Mounting altitude	≤2Km		Impact	50g,11ms(Half sine)	

Conversion Table for Coil Specification(20°C)

Voltage(V)	Coil resistance(1±10%)Ω		Voltage(V)	Coil resistance(1±10%)Ω	
	Long term	Short term		Long term	Short term
12	14.4	5.3	60	360	133.3
24	57.6	21.3	72	518.4	192
48	230.4	85.3	80	640	237