



- Applicable to the three-phase smart meters of 15(60)A、20(80)A and the compound switches of 20KVA、25KVA
- The state of contacts can be monitored by the auxiliary contact
- Dimensions: 110×68×32(mm)

Contact parameter

Contact form		3B
Contact resistance (1A 6VDC)		Max.1.0mΩ
Contact material		Silver alloy
Contact rating (resistive load)		100A 250VAC
Max. Switching Voltage		380VAC
Max. Switching Current		100A
Max. Switching Power		25000VA
Lfe	Mechanical life	5×10 ⁵ OPS
	Electrical life	5×10 ³ OPS

Performance parameter

Release Time		60ms Max
Operate Time		60ms Max
Dielectric strength	coil&contact	4000VAC 50/60Hz(1Min)
	between open contacts	2000VAC 50/60Hz(1Min)
	between contact poles	4000VAC 50/60Hz(1Min)
Insulation resistance		1000MΩ Min.(500VDC)
Ambient temperature		-40℃~+70℃
Relative humidity		45%-90% RH
Vibration		10-55Hz, 1.5mm
Impulsion		98m/s ²
Weight		440g

Ordering information

ALR04/100	100A	3B	12VDC	S
Type	Contact current	Contact form	Coil voltage	Coil type
ALR04/100	100A	3B:3pole normally closed	9, 12, 24V	S:single coil D:double coil

Typical application

- intelligent electric meter
- electric remote control
- compound switch
- household appliance

Coil parameter(20℃)

coil code	rated coil (VDC)	Coil resistance (Ω) $\pm 10\%$		Coil power (W)		Release voltage (VDC)	operate voltage (VDC)	over voltage (VDC)	pulse width (ms)
		single coil	double coil	single coil	double coil				
09	9VDC	32.4	16.2/16.2	2.5W	5.0W	$\leq 80\%$	$\leq 80\%$	$\leq 120\%$	$\geq 100\text{ms}$
12	12VDC	57.6	28.8/28.8						
24	24VDC	230.4	115/115						

Dimension 、 wiring diagram(unit:mm)

