

Power PCB Relay RPII/2

- 2 pole 8A, 2 form C (CO) or 2 form A (NO) contacts
- 4kV/8mm coil-contact
- Twin contacts available
- RoHS compliant (Directive 2002/95/EC)

Typical applications
Domestic appliances, UPS



F0150-B

Approvals

VDE REG.-Nr. C894, UL E214024
Technical data of approved types on request

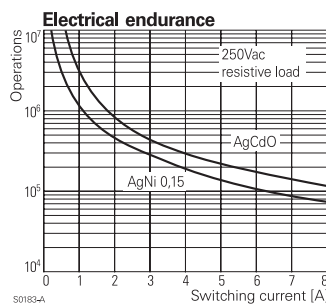
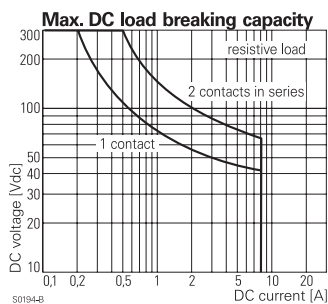
Contact Data

Contact arrangement	2 form C (CO) or 2 form A (NO)
Rated voltage	250VAC
Max. switching voltage	400VAC
Rated current	8A (UL: 10A)
Limiting making current, max 4s, duty factor 10%	14A
Breaking capacity max.	2000VA
Contact material	AgCdO, AgNi0.15
Frequency of operation, with/without load	600/72000h ⁻¹
Operate/release time typ.	9/3ms
Bounce time typ., form A/form B	2/3ms

Contact ratings

Type	Contact	Load	Cycles
IEC61810			
RP420/421	A (NO)	8A, 250VAC, resistive, 35°C	100x10 ³
RP420	A (NO)	5A, 250VAC, resistive, 70°C	30x10 ³

Mechanical endurance >20x10⁶ operations



Coil Data

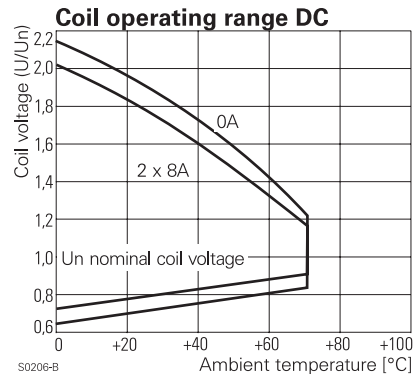
Coil voltage range	5 to 110VDC
Operative range, IEC 61810	2

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10% ¹⁾	Rated power mW
005	5	3.5	0.5	54	500
006	6	4.2	0.6	68	500
012	12	8.4	1.2	270	500
024	24	16.8	2.4	1100 ¹⁾	500
048	48	33.6	4.8	4400 ¹⁾	500
060	60	42.0	6.0	6540 ¹⁾	500
110	110	77.0	11.0	23100 ¹⁾	500

1) Coil resistance ±15%.

All figures are given for coil without pre-energization, at ambient temperature +20°C. Other coil voltages on request.



Insulation Data

Initial dielectric strength	
between open contacts	1000V _{rms}
between contact and coil	4000V _{rms}
between adjacent contacts	2500V _{rms}
Clearance/creepage	
between contact and coil	≥8/8mm
Material group of insulation parts	IIIa