

Miniature PCB Relay PE

- 1 pole 5 A, 1 CO or 1 NO contact
- Cadmium-free contacts
- Sensitive coil 200 mW
- 4 kV coil-contact
- Ambient temperature 85°C
- Low height 10.0 mm
- Plastic materials according to IEC60335-1 (domestic appliances)
- RoHS compliant (Directive 2002/95/EC) as per product date code 0352

Applications

Industrial electronics, white goods, measurement and control



F0169-B

Approvals

VDE REG.-Nr. 6656, **CE** us E214025 (for version with 1 NO in process)
Technical data of approved types on request

Contact data

Contact configuration	1 CO or 1 NO contact
Contact set	single contact
Type of interruption	micro disconnection
Rated current	5 A
Rated voltage / max.switching voltage AC	240/400 VAC
Maximum breaking capacity AC	1250 VA
Contact material	AgNi90/10
Mechanical endurance	15x10 ⁶ cycles
Rated frequency of operation with / without load	6/1200 min ⁻¹

Contact ratings

Type	Load	Cycles
PE014	5 A, 250 VAC, resistive, 85°C, 6 cycles/min, 50% df, EN61810-1	1x10 ⁵
PE014	5 A, 30 VDC, resistive, on NO-contact, 85°C, 6 cycles/min, 50% duty factor, EN61810-1,	1x10 ⁵
PE014	5 A, 240 VAC resistive load, on NO or NC contact, UL508	1x10 ⁵
PE034	5 A, 250 VAC, resistive, 85°C, 6 cycles/min, 50% df, EN61810-1	1x10 ⁵
PE034	5 A, 30 VDC, resistive, 85°C, 6 cycles/min, 50% duty factor, EN61810-1,	1x10 ⁵
PE034	5 A, 240 VAC resistive load, UL508	1x10 ⁵

Coil data

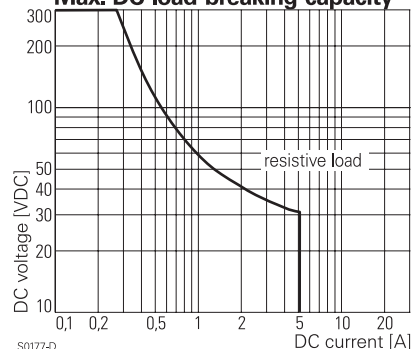
Rated voltage range DC coil	5...48 VDC
Coil power DC coil	typ. 200 mW
Operative range	2

Coil versions, DC-coil

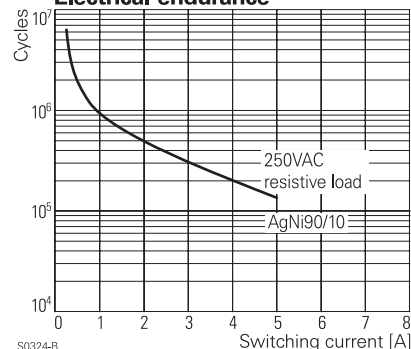
Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
003	3	2.25	0.3	45±10%	200
005	5	3.8	0.5	125±10%	200
006	6	4.5	0.6	172±10%	209
012	12	9.0	1.2	685±10%	210
024	24	18.0	2.4	2725±10%	211
048	48	36.0	4.8	10970±10%	210

All figures are given for coil without preenergization, at ambient temperature +23°C
Other coil voltages on request

Max. DC load breaking capacity



Electrical endurance



Coil operating range DC

