

Slim PCB Relay PCN

- 1 pole 3 A, 1 NO contact
- Only 5 mm wide
- 3 A switching current
- Load range 1 mA up to 3 A
- Sensitive coil 120 mW
- Allows high function-/packing density
- Cadmium-free contacts
- Z type with reinforced insulation
- RoHS compliant (Directive 2002/95/EC) as per product date code 0424

Applications

Centralized and decentralized heating control, extremely narrow interface elements, interface technology, timers, PLC's, I/O modules, I/O-ports



F0258-A

Approvals

VDE REG.-Nr. 6166; c **us** E82292
Technical data of approved types on request

Contact data

Contact configuration	1NO
Contact set	bifurcated contact
Type of interruption	micro disconnection
Rated current	3 A
Rated voltage / max.switching voltage AC	240/277 VAC
Limiting continuous current	3 A
Maximum breaking capacity AC	750 VA
Limiting making capacity, max 4 s, duty factor 10%	5 A
Contact material	AgNi90/10
Minimum contact load	5V / 1mA
Mechanical endurance	20x10 ⁶ cycles
Rated frequency of operation with / without load	10 / 1200 min ⁻¹

Contact ratings

Type	Load	Cycles
PCN-1..D3M.(..H).(..Z)	3 A, 250 VAC resistive, 70°C, 20 cycles/min, EN61810-1	1x10 ⁵
PCN-1..D3M.(..H).(..Z)	3 A, 30 VDC, resistive, 70°C, 20 cycles/min, EN61810-1	1x10 ⁵
PCN-1..D3M.(..H).(..Z)	Pilot Duty B300 240 VAC, UL508	6x10 ³
PCN-1..D3M.(..H).(..Z)	Pilot Duty B300 120 VAC, UL508	6x10 ³

Coil data

Rated power voltage range DC coil	DC5...24 VDC
Coil power DC coil	typ 120 mW
Operative range	1

Coil versions, DC-coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
005	5	3.5	0.5	208 ± 10%	120
006	6	4.2	0.6	300 ± 10%	120
009	9	6.3	0.9	675 ± 10%	120
012	12	8.4	1.2	1200 ± 10%	120
024	24	16.8	2.4	4800 ± 10%	120

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



