

Power Relay 410 83 3 mm

- 1 pole 16 A, 1 NO bridging contact
- Contact gap > 3 mm
- Switching capacity 4000 VA
- Coil power 360 mW
- 4 kV / 8 mm coil-contact, insulation to VDE 0631 and 0700
- Ambient temperature up to 85°C
- Quick connect terminals for load side
- Materials in accordance to IEC 60335-1
- RoHS compliant (Directive 2002/95/EC)
as per product date code 0349

Applications: Washing machines, tumble dryers, absolute safe power supply disconnection in other domestic applications



F0248-AB

Approvals

VDE REG.-Nr. 6198, cULus E214025
Technical data of approved types on request

Contact data

Contact configuration	1NO
Contact set	single contact, bridging contact
Type of interruption	full disconnection
Rated current	16 A
Rated voltage / max.switching voltage AC	240/400 VAC
Maximum breaking capacity AC	4000 VA
Limiting making capacity, max 4 s, duty factor 10%	20 A
Contact material	AgNi
Contact gap	>3 mm
Mechanical endurance	1x10 ⁶ cycles
Rated frequency of operation with / without load	10 / 600 min ⁻¹

Contact ratings

Type	Load	Cycles
410 83	16 A, 250 VAC, resistive, 85°C	3x10 ⁴
410 83	10 A, 250 VAC, resistive, 85°C	1x10 ⁵
410 83	10 A, 400 VAC, resistive, 85°C	1x10 ⁵

Coil data

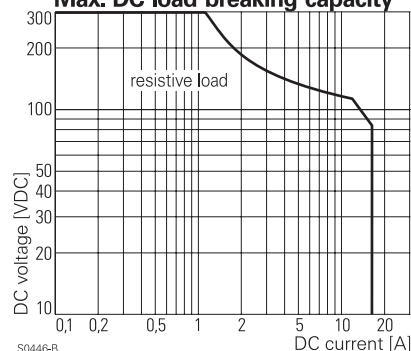
Rated coil voltage range DC coil	6...60 VDC
Coil power DC coil	typ. 360 mW
Operative range	1
Coil insulation system according UL1446	Class F

Coil versions, DC-coil

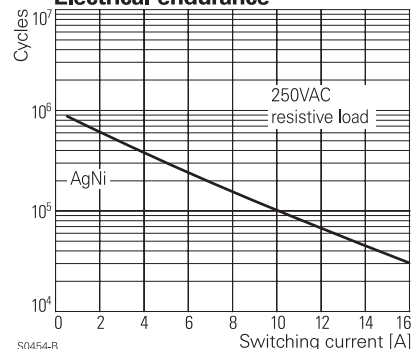
Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ohm	Rated coil power mW
054	6	3.9	0.45	100±10%	360
050	12	7.9	0.9	400±10%	360
046	24	15.8	1.8	1600±10%	360
043	48	31.6	3.6	6400±10%	360
042	60	39.5	4.5	10000±10%	360

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

