

Power Relay 415

2 pole 16 A



Features

- 2 N/O contacts, 16 A
- Fast-on connectors 6.3 x 0.8 mm
- Contact gap > 3 mm
- 4 kV / 8 mm coil-contact

Applications

Power Supplies, domestic appliances, heating controls



Contact data

Configuration	2 N/O contacts
Type of contact	single contact
Rated current	16 A
Rated voltage / max.breaking voltage AC	250 Vac / 440 Vac
Max. breaking voltage DC	250 Vdc
Maximum breaking capacity AC	4000 VA
Make current (max. 4 s at duty cycle 10%)	25 A
Peak inrush current 20 msw	25 A
Contact material	AgCdO

Contact ratings

Type	Load	Operations
41501 / 04	16 A, 250 Vac, cosφ=1	1x10 ⁵

Coil data

Nominal voltage	DC coil	12...220 Vdc
	AC coil	24...380 Vdc
Nominal coil power	DC coil	1.3 W
	AC coil	2.8 VA
Operate category	1 / b	

Coil versions DC-coil

Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance Ω	Coil current mA
031	12	7.0	0.9	14.5	125±10%	96.0
029	24	14.0	1.8	39.0	435±10%	55.2
025	220	130.0	11.0	323.0	32800±15%	6.7

All figures are given for coil without preenergization, at ambient temperature +20°C
Other coil voltages on request

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Coil code	Nominal voltage Vac	Pull-in voltage Vac	Release voltage Vac	Maximum voltage Vac	Coil resistance Ω	Coil current mA
015	24	19.0	1.8	28.8	69±10%	116.0
010	220	187.0	16.5	264	5700±15%	13.0
008	230	176.0	17.3	276	6000±15%	12.0
009	380	304.0	28.5	456	10000±15%	7.0

Flammability class according to UL 94	V-0
Ambient temperature	-20...+70 °C
Mechanical life	10x10 ⁶ operations
Max. switching rate at rated- / minimum load	10 min ⁻¹ / 600 min ⁻¹
Operate- / release time	typ. 15 / 10 ms
Bounce time	typ. 5 ms
Shock resistance (destruction)	100 g
Category of protection (IEC 61810)	RT I (dust protection)
Relay weight	80 g
Packaging unit	25 pcs.

S0469-AB

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