

# Faston Power Relay 410 83 3 mm

1 pole 16 A, 3 mm contact gap



F0248-AB

### Features

- 1 N/O bridging contact
- Contact gap > 3 mm
- 16 A rated current
- 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
- Faston-terminals for load side

### Applications

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



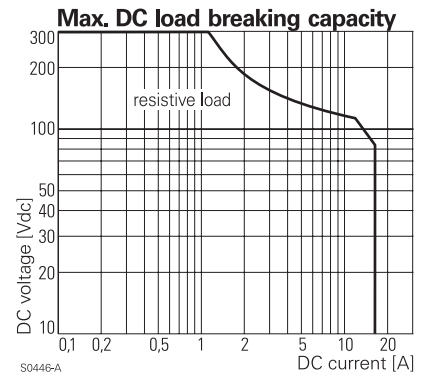
Technical data of approved types on request

### Contact data

Configuration	1 N/O contact
Type of contact	single contact, bridging contact
Rated current	16 A
Rated voltage / max.breaking voltage AC	250 Vac / 400 Vac
Maximum breaking capacity AC	4000 VA
Make current (max. 4 s at duty cycle 10%)	20 A
Contact material	AgNi
Contact gap	>3 mm

### Contact ratings

Type	Load	Operations
410 83	16 A, 250 Vac, resistive, 85 °C	3x10 <sup>4</sup>
410 83	10 A, 250 Vac, resistive, 85 °C	1x10 <sup>5</sup>
410 83	10 A, 400 Vac, resistive, 85 °C	1x10 <sup>5</sup>



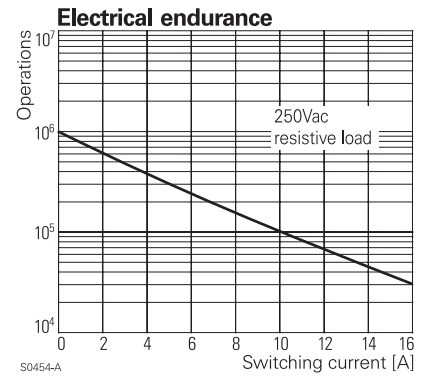
### Coil data

Nominal voltage	6...60 Vdc
Nominal coil power	360 mW
Operate category	1 / c

### Coil versions

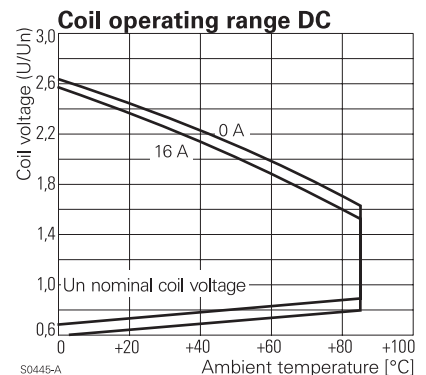
Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance Ω	Coil current mA
054	6	3.9	0.45	13.2	100±10%	60.0
050	12	7.9	0.9	26.4	400±10%	30.0
046	24	15.8	1.8	53.0	1600±10%	15.0
043	48	31.6	3.6	106.0	6400±10%	7.5
042	60	39.5	4.5	132.0	10000±10%	3.7

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



### Insulation

Dielectric strength	coil-contacts	4000 V <sub>rms</sub>
	open contact circuit	2000 V <sub>rms</sub>
Clearance / creepage		8 / 8 mm
Insulation to IEC 60664		
Voltage rating		250 V
Pollution degree		3
Overvoltage category		III
Insulation to VDE 0110b (2/79)		
Insulation category / reference voltage		C / 250
Tracking resistance of relay base		PTI 250



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