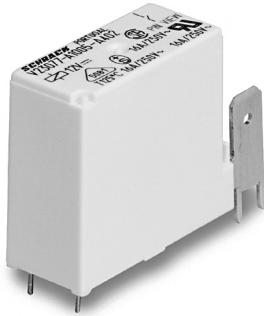


## Faston Power Relay RPH

1 pole 16 A



F0148-B

### Features

- 1 N/O or 1 N/C contact
- 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 125 °C
- Faston-terminals for load side

### Applications

Oven control, electric heating, power supplies, air conditioning



Technical data of approved types on request

### Contact data

Configuration	1 N/O contact or 1 N/C contact
Type of contact	single contact
Rated current	16 A
Rated voltage / max.breaking voltage AC	250 Vac / 440 Vac
Maximum breaking capacity AC	4000 VA
Make current (max. 4 s at duty cycle 10%)	25 A
Contact material	AgCdO
Minimum contact load	500 mA, 12 Vac

### Contact ratings

Type	Load	Operations
RPH3	10 A, 400 Vac, resistive, 125 °C	2x10 <sup>5</sup>
RPH3	16 A, 250 Vac, resistive, 125 °C	1x10 <sup>5</sup>
RPH5	10 A, 400 Vac, resistive, 125 °C	5x10 <sup>4</sup>
RPH5	16 A, 250 Vac, resistive, 125 °C	5x10 <sup>4</sup>

### Coil data

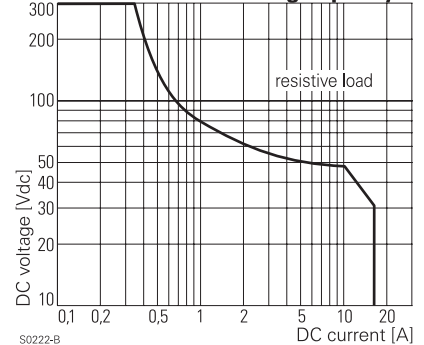
Nominal voltage	6...48 Vdc
Nominal coil power	360 mW
Operate category	1 / c

### Coil versions

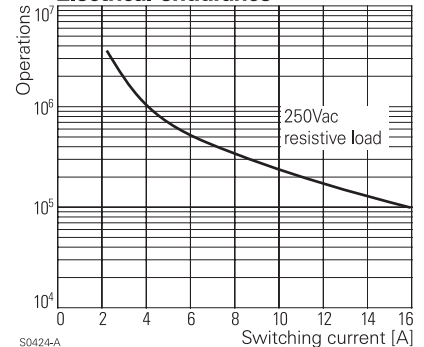
Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance Ω	Coil current mA
006	6	3.8	0.6	16.9	100±10%	60.0
012	12	7.5	1.2	33.8	400±10%	30.0
024	24	14.9	2.4	67.7	1600±10%	15.0
048	48	30.0	4.8	135.3	6400±10%	7.5

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

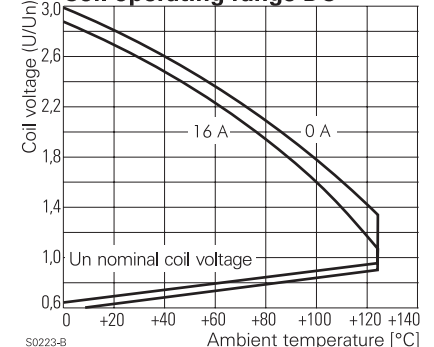
### Max. DC load breaking capacity



### Electrical endurance



### Coil operating range DC



## Faston Power Relay RPH

1 pole 16 A

### Insulation

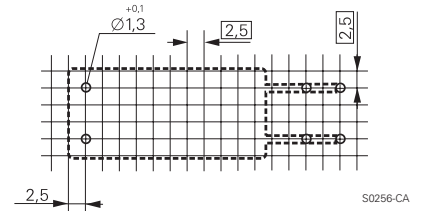
Dielectric strength	coil-contacts	4000 V <sub>rms</sub>
	open contact circuit	1000 V <sub>rms</sub>
Clearance / creepage		8 / 8 mm
Insulation to IEC 60664		
	Voltage rating	250 V
	Pollution degree	3
	Overvoltage category	III
Insulation to VDE 0110b (2/79)		
	Insulation category / reference voltage	C / 250, B / 380
Tracking resistance of relay base		PTI 250

### Other data

Flammability class according to UL 94	V-0
Ambient temperature	-40...+125 °C
Mechanical life	30x10 <sup>6</sup> operations
Max. switching rate at rated- / minimum load	10 min <sup>-1</sup> / 1200 min <sup>-1</sup>
Operate- / release time	10 / 2 ms
Bounce time N/O contact/N/C contact	1 / 2 ms
Category of protection (IEC 61810)	RT II - flux proof
Relay weight	26 g
Packaging unit	15 / 300 pcs.

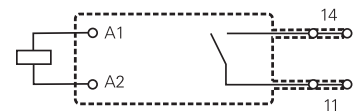
### PCB layout / terminal assignment

View on solder pins  
Dimensions in mm



S0256-CA

### 1 N/O contact



S0256-CB

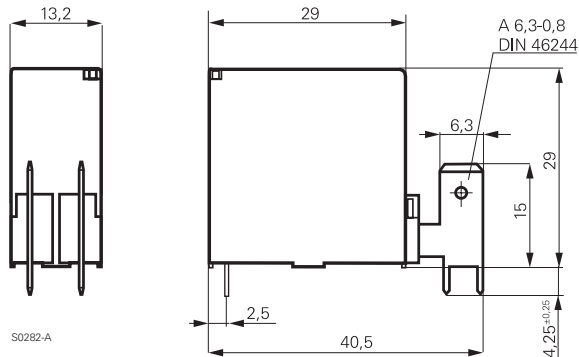
### 1 N/C contact



S0256-CC

### Dimensions

Dimensions in mm



S0282-A

### Product key



### Type

Faston power relay

### Contact configuration

3 1 N/O contact  
5 1 N/C contact

### Contact material

0 AgCdO

### Coil

Coil code: please refer to coil versions table

Rights to change data / design reserved