

# Datasheet

## SPDT PCB Mount Non-Latching Relay, 24V dc

RS Stock 476-763



### Features

- High sensitive: 0.25W
- Low height: 15.7 mm
- 5kV dielectric strength (between coil and contacts)
- Creepage distance: 10mm
- VDE0435/0631/0700
- Product in accordance to IEC 60335-1 available
- Sockets available
- Wash tight and flux proofed types available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (29.0 x 12.7 x 15.7) mm

### CONTACT DATA

Contact arrangement	1A, 1B, 1C
Contact resistance	100mΩ (at 1A 6VDC)
Contact material	See ordering info.
Contact rating (Sensitive coil)	10A 250VAC
Max. switching voltage	440VAC / 125VDC
Max. switching current	10A
Max. switching power	2500VA
Mechanical endurance	1 x 10 <sup>7</sup> OPS
Electrical endurance	1 x 10 <sup>5</sup> OPS (See approval reports for more details)

### COIL

Coil power	250mW
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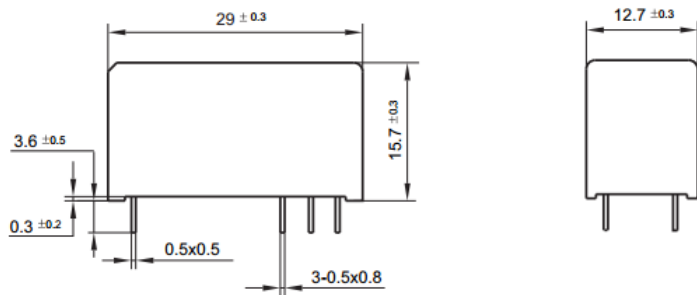
### COIL DATA at 23°C

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
5	3.75	0.5	7.5	100 x (1±10%)
6	4.50	0.6	9.0	144 x (1±10%)
12	9.00	1.2	18	576 x (1±10%)
18	13.50	1.8	27	1296 x (1±10%)
24	18.00	2.4	36	2304 x (1±10%)
48	36.00	4.8	72	9216 x (1±15%)
60	45.00	6.0	90	12857 x (1±15%)

**CHARACTERISTICS**

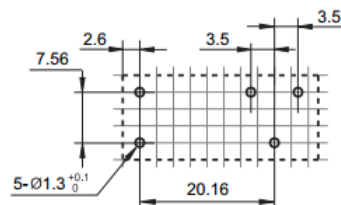
Insulation resistance		1000MΩ (at 500VDC)
Dielectric strength	Between coil & contacts	5000VAC 1min
	Between open contacts	1000VAC 1min
Surge voltage (between coil & contacts)		10kV (1.2X50μs)
Operate time (at nomi. volt.)		15ms max.
Release time (at nomi. volt.)		8ms max.
Temperature rise (at nomi. volt.)		55K max.
Shock resistance	Functional	98m/s <sup>2</sup>
	Destructive	980m/s <sup>2</sup>
Vibration resistance		10Hz to150Hz 10g/5g
Humidity		35% to 85% RH
Ambient temperature		-40°C to 85°C
Termination		PCB
Unit weight		Approx. 13.5g
Construction		Wash tight, Flux proofed

**Outline Dimensions**

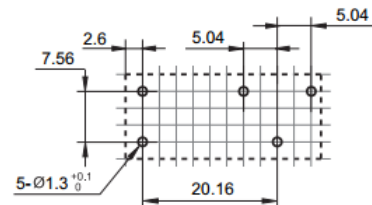


**PCB Layout (Bottom view)**

**3.5mm Pinning, 1 Pole**

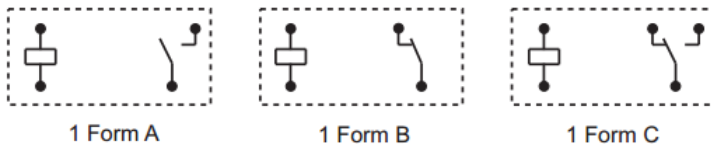


**5mm Pinning, 1 Pole**



**Wiring Diagram (Bottom view)**

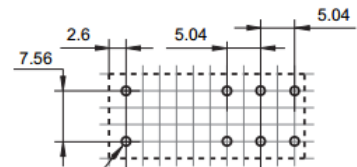
3.5/5mm Pinning, 1 Pole, 10A, HF115F-H/ □□□ -□□ -□ -1/2 -□



5mm Pinning, 1 Pole, 10A, HF115F-H/ □□□ -□□ -□ -3 -□

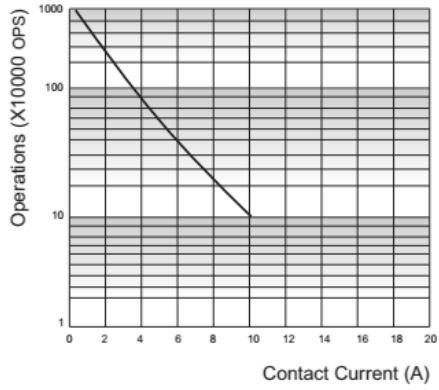


**5mm Pinning, 1 Pole**





ENDURANCE CURVE



COIL OPERATING RANGE (DC)

