
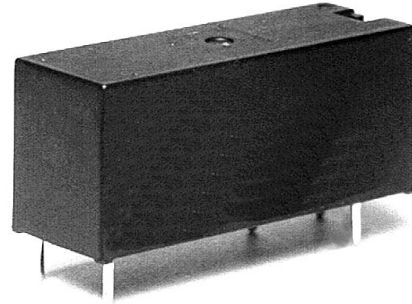


# Greenwich Electronics, Inc.

## GP3 Series

- Low profile package with 8A capacity
- High dielectric strength (5kV)
- Low coil consumption
- Approvals:  pending
- Applications: timers, heaters, industrial controls, appliances, general purpose



### COIL DATA

Nominal Voltage (DC)	Nominal Coil Current (mA) (± 10% at 20°C)	Coil Resistance (Ω) (± 10% at 20°C)
5	44	113
6	37	164
9	25	360
12	19	617
24	10	2350
48	5	9600 (±15%)
60	5	12500 (±15%)

Pick-up Voltage	≤75% nominal
Drop-out Voltage	≥10% nominal
Max. Coil Voltage	≤130% nominal
Coil Consumption	Approx. 0.25W

### Contact

Configuration	<b>A:</b> 1 form A (SPST-NO), <b>C:</b> 1 form C (SPDT)
Material	Silver (Ag) alloy - Gold (Au) flash available
Rated Load	8A@250VAC, 5A@30VDC
Max. Carry Current	8A
Max. Switching Voltage	125VDC / 440VAC
Max. Switching Current	10A
Max. Switching Power	150W, 2000VA

### CHARACTERISTICS

Contact Resistance	Max. 100mΩ (measured at 1A 6VDC)
Operate Time	≤7ms
Release Time	≤3ms

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Insulation Resistance	$\geq 1000M\Omega$ (@500VDC)
Dielectric Strength:	
• Between coil and contacts	5000VAC - 50Hz / one minute
• Between open contacts	1000VAC - 50Hz / one minute
Vibration Resistance	10-55Hz, 1.5mm, double amplitude
Shock Resistance	100m/s <sup>2</sup>
Ambient Temperature	
• Operate	-40°C to +70°C
• Storage	-40°C to +125°C
Relative Humidity	35% - 85%
Life Expectancy:	
• Mechanical	2 x 10 <sup>7</sup>
• Electrical	1 x 10 <sup>5</sup> (at rated load)
Weight	Approx. 8 grams

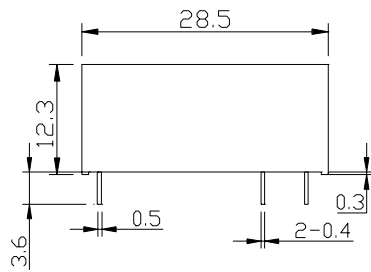
## ORDERING INFORMATION

	<u>GP3</u>	-	<u>012</u>	-	<u>A</u>	<u>D</u>	<u>F</u>	<u>G</u>
	I		II		III	IV	V	VI
I.	Series				<b>GP3</b>			
II.	Coil Voltage (VDC)				<b>005, 006, 009, 012, 024, 048, 060</b>			
III.	Contact Configuration				<b>A</b> - 1 form A (SPST-NO) (terminal Space: 5mm), <b>C</b> - 1 form C (SPDT) (terminal Space: 3.2mm)			
IV.	Package Type				<b>D</b> - dust cover, <b>S</b> - Sealed			
V.	Temperature Class				<b>nil</b> - Class "B", <b>F</b> - Class "F"			
VI.	Contact plating				<b>nil</b> - standard, <b>G</b> - Gold flash			

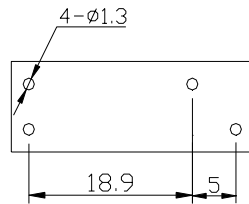
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## GP3 Series Dimensions and Schematics (in mm)

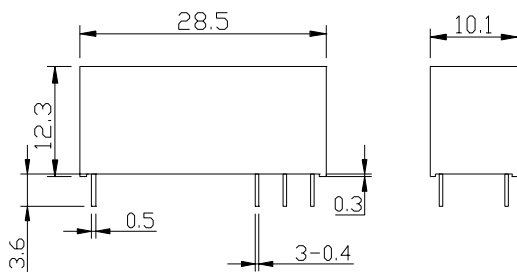
SPST-NO – 1 form A



Terminal arrangement and wiring diagram



SPDT – 1 form C



Terminal arrangement and wiring diagram

