


Greenwich Electronics, Inc.

HD3 Series

- PCB with quick-connect terminals
- SPST-NO 20A capacity
- Exceeds 8mm creepage requirements
- Inrush current to 60A
- Approvals:  pending
- Applications: industrial control, high inrush lighting, appliances, general purpose



COIL DATA

Nominal Voltage (DC)	Nominal Coil Current (mA) (± 10% at 20°C)	Coil Resistance (Ω) (± 10% at 20°C)
12	75	160
24	38	640

Pick-up Voltage	≤70% nominal
Drop-out Voltage	≥10% nominal
Max. Coil Voltage	110% nominal
Coil Consumption	Approx. 0.9W

Contact

Configuration	A: 1 form A (SPST-NO)
Material	Silver (Ag) alloy
Rated Load	20A@30VDC / 220VAC Motor: 1 1/2hp@220VAC
Max. Carry Current	25A - Inrush 60A
Max. Switching Voltage	30VDC / 220VAC
Max. Switching Current	20A
Max. Switching Power	600W / 4400VA

CHARACTERISTICS

Contact Resistance	Max. 50mΩ
Operate Time	≤15ms
Release Time	≤10ms
Insulation Resistance	1000MΩ (@500VDC)

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Dielectric Strength:

- Between coil and contacts 2000VAC / 50Hz one minute
- Between open contacts 1000VAC / 50Hz one minute

Vibration Resistance

10-55Hz, 1.5mm, double amplitude

Shock Resistance

Min. 10g (functional)

Ambient Temperature

- Operate -40°C to +70°C
- Storage -40°C to +125°C

Relative Humidity

45% - 85%

Life Expectancy:

- Mechanical 5×10^6
- Electrical 1×10^5 Operations (at rated load)

Weight

Approx. 42 grams

ORDERING INFORMATION

HD3 - 012 - A
I II III

- I. Series **HD3**
 II. Coil Voltage (VDC) **012, 024**
 III. Contact configuration **A - 1 form A (SPST-NO)**

HD3 Series Dimensions and Schematics (in mm)

