

DG38L Leaves Industry Standard Relays Standing

Willow Technologies Limited (www.willow.co.uk) introduces this **unique PCB Power Relay, the DG38L from Durakool**. Featuring a **magnetic arc blowout**, enabling the relay to **switch 50% higher DC voltage than other relays of its type**.

The DG38L is designed to switch in applications where the DC voltage exceeds 24VDC. As the relay opens it will pull an arc. With other relays of this type, if the contact gap is not big enough, the arc will not go out until the relay is damaged. However, with the DG38L, the magnet deflects the arc away from the contact as the relay opens, thus extinguishing the arc. The shielded fast-on blades for power terminals eliminate the need to put high currents and voltages on to PCB.

Said John Merrill, Product Manager - Relays, of Willow Technologies Limited “Typically, this style of relay, which is an industry standard, can only switch 30A @ 24VDC/240VAC. The DG38L can handle voltages up to 80VDC (as an option) or 45A @ 28VDC as standard. This is 50% more than is usual for this style of relay”.

The relay measures a **compact 32.2 x 27.5 x 28mm** and its standard contact material is AgSnOInO. Suitable for applications requiring high current switching and higher voltage DC switching, this PCB Power relay is absolutely ideal for DC motor control (loads), winches, stair lifts, CNC machines, garage door motors, solar energy controllers, battery and wind power systems.

“An added benefit of this excellent solution is that it is extremely easy to upgrade into existing designs in the majority of cases,” Concluded Merrill.

ENDS

Editor Information

Founded in 1989, Willow Technologies is located in Copthorne, West Sussex in the UK. We provide electronic solutions to customers by designing, manufacturing and supplying components and systems globally to the electrical and electronic marketplace. Specialists in switching, sensing, resistive and hermetic seal solutions we have a wide portfolio of sensing technologies and over 60 years of application experience. Our in-house engineering capability and rapid prototyping facility for custom parts enable us to develop products to match specific application requirements. Willow is ISO9001:2000 registered.

Durakool is a brand name registered by American Electronic Components, based in Elkhart, Indiana, USA. The Durakool Relay range is extensive, of excellent quality and designed and manufactured to a very high specification.

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