

Move Up in the World with DG38L PCB Motor Control Relays

Durakool (durakoolrelays.com) continue to experience particularly high demand for their reliable quality motor control DC relay, the DG38L. Another unique relay from Durakool's collection, the DG38L PCB Power Relay is capable of switching up to 45A at 250VAC and features a magnetic arc blowout which **enables the relay to switch 50% higher DC voltage than other relays of its type**. Typically, this style of relay, which has an industry standard footprint, can only switch 30A @ 24VDC/240VAC. The DG38L handles 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 DC motor control relay measures a compact 32.2 x 27.5 x 28mm and 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. An internal magnet deflects the arc from the contact as the relay opens, thus extinguishing the arc.

Said Ricardo Esquinazi, Relays and Contactors Product Manager, "Another great advantage of the DG38L is that it offers PCB mounting without the need for high current or high voltage tracks on the PCB. Engineers can also easily replace inferior products or simply upgrade without the need for redesign. Plus, the P674 version of this relay has a maximum switching voltage of 80VDC at 20A for DC load control!"

The DG38L has shielded fast-on blades for power terminals, which eliminate the need to put high currents and voltages on to the PCB. Its standard contact material is AgSnInO. It is equipped with PCB and QC (fast-on) terminals and is designed to fit an industry standard footprint. The DG38L is ideal for applications requiring high current switching and higher voltage DC switching, this PCB Power relay is absolutely perfect for DC motor control (loads), winches, stair lifts, CNC machines, garage door motors, solar energy controllers, battery and wind power systems.

"It's a low cost, one relay solves multiple problems solution, with many potential uses" Concluded Esquinazi.

[View the DG38L Durakool Relay Datasheet](#)

About Durakool

Durakool is a globally renowned manufacturer of technology supporting switching and sensing solutions. Initially established in 1935 to manufacture switching devices for power generation in industrial & power automation systems, Durakool evolved to provide solutions for power electronics, industrial electronics, automotive and telecommunications applications. Today the reliability and quality of Durakool products are at the heart of the WTAEC Group (www.wtaec.com). Durakool's engineering team provides partners with technical consultation based upon extensive application knowledge and experience. Through many years of development and innovation, they understand that quality is paramount and pursue a policy of continuous improvement.

Durakool continues to innovate and develop relays and contactors to meet existing and forthcoming requirements within many industries. New products are introduced on a regular basis as we seek to exceed customer expectations. Durakool is using novel techniques to reduce package size whilst meeting increasing demands for higher voltage and higher current switching.

'We believe in developing long term relationships with our customers to provide highest quality products & services, exceeding our partner's needs. We work as a key member of our partners' operations from concept to delivery and beyond.'