



EDR Inc. offers 280 VAC (400 VDC) DPDT (2C Form 2B) Solid-State Relays mimic 100% electromechanical relays

The DPDT designed for VAC/VDC industrial applications built with surge protection for trouble-free operation. It works as SPDT for doubling current rating . .

LOUISVILLE, KENTUCKY, UNITED STATES, June 27, 2016 /EINPresswire.com/ -- Louisville KY, USA – June 01, 2016. Electronic Design and Research Inc., a leader in developing and manufacturing innovative Solid-State Modules announced the availability of SSRs for replacement of electromechanical relays with intention of greatly extending trouble-free operation of production lines. Devices are available with the output contact rated at various voltages and currents for DC and DC/AC voltages.

The DPDT relays designed for replacing electromechanical relays in industrial settings, for mounting on 35mm wide DIN rail. A control signal is only 12 mA of either polarity (AC or DC) voltages. The DPDT can be easily configured as a full-bridge driver with direction control. Four six models offered and some of them, like P/N EDR84600 assembled for demanding 24/7 performance on production lines. Even the relay rated at 400 VDC (270 VAC), it was assembled with 500V MOSFETs that protected by a high-power 420V TVS. The input was designed for easily interfacing with many industrial PLCs and provides high-noise immunity. The RHL400A6/24/D helps to extend PLC life span by requiring a low current and substantially decreases damage due to voltage (fly-back) surges that occur while driving an electromechanical relay.

The DPDT physical size varies and mostly depends on output voltage/current rating. For example P/N EDR84600/4/D or RHL499A6/24/D (DPDT) rated at 400 VDC (270 VAC), $I_{d\ rms} = 6\text{-Amps}$, $I_{d\ max} = 40\text{-Amps}$ and $I_{d\ pulse} = 140\text{-Amps}$ is capable of driving almost 5 kW load (no external heat sink is required). Relays were encapsulated in a DIN box of 11"W x 11"H x 11" W. Larger packages are used for switching higher power.

Devices were rated without a heat sink, thus decreasing confusion that might occur while selecting a proper device. The EDR84600 is a good candidate for energy efficient applications and generates minimum amount of heat, or about 7 watts at maximum load.

<http://www.vsholding.com/products/solid-state-relays-switches-12-drivers-and-other-devices.shtml>

Small quantities of devices are available from our stock and can be shipped in couple of days.

Production capacity is up to 10,000 per month. Cost varies depending on device and quantities. For example, p/n EDR84600/4/D costs \$348.24 each, but in quantities of 250 or more is only \$276.76 each.

Electronic Design & Research Inc. is a small high-tech company that develops and manufactures high-performance solid-state modules such as: relays/switches, high-speed push-pull drivers, several families of H-drivers, highly efficient Charge-and-Add DC/DC converters, high-current switching systems capable of delivering megawatts of power in 50 ns, power distribution switches for power back-up systems. For biomedical applications, we offer a super-high resolution EKG; for recording the His Bundle signal from a body surface on beat-by-beat basis, high-speed biases generator (DDS-701, HSBG-602, etc.) for MRI/MRS, etc. EDR's innovative solutions serve high-growth applications within the automotive market, thermo-electrical coolers/heaters, with additional focus on aviation, and industrial solutions, and various research facilities. Further information about EDR Inc. can be found

at <http://www.vsholding.com>

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