Phase-control thyristors feature current ratings up to 1140A

IXYS Corporation announced that its wholly owned UK subsidiary, IXYS UK Westcode Ltd., introduced two new 40mm die-pressure contact phase-control thyristors, with current ratings of 1075A and 1140A with voltage ratings of 1800V and 1400V respectively.

These new devices incorporate larger die sizes into the same mechanical footprint of our established products and offer improved performance. The design includes a new silicon die with advanced thermal bonding to a metal disc and encapsulated in a rugged hermetic ceramic packages. The new improved package design includes fewer material interfaces and a much improved gate contact, with reduced thermal resistance and enhanced electrical performance. The devices, which have 34mm electrode diameter, 58mm overall diameter and 26mm package height comply with the Jedec TO200AB outline.

These new devices will eventually replace some of the older designs in the same mechanical footprint, which will be phased out as customers take advantage of these new improved products.

Designations for the two new devices are: N1075LN180 (Vdrm/Vrrm 1800 Volts and Itav 1075A) and N1140LN140 (Vdrm/Vrrm 1400 Volts and Itav 1140A).

Typical applications include soft starters, DC drives, and all controlled rectifier applications which require the higher reliability of a press-pack at these current and voltage ratings.

For data sheet please go to the IXYS UK website at www.ixysuk.com [1].

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