

PRESS RELEASE

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IXYS UK Westcode introduces new 32mm Die Phase Control Thyristors



IXYS UK Westcode has introduced two new 32mm die pressure contact phase control thyristors with current ratings of 530A and 795A and voltage from 1400V to 2500V. These new larger die sizes offer improved performance when compared to established parts in the same overall mechanical footprint.

The devices include a new silicon die design with advanced thermal bonding to a metal disc, and enhanced electrical performance. The die are encapsulated in a rugged fully hermetic ceramic package of improved design, which includes fewer material interfaces and a much improved gate contact, as well as reduced thermal resistance.

The new devices are mechanically compatible with established products and will eventually replace the older designs, which will be phased out as customers take advantage of these new improved products. These new introductions from IXYS UK demonstrate a continued commitment to further develop and improve our smaller press-pack device portfolio as well as our higher current devices. In a challenging market it is necessary to keep ahead of the competition in delivering devices which offer the maximum power to cost ratios. These two new devices are the first of several lower current devices which will be launched over the next three months.

The device is available in two current ratings and four different voltage grades. Designations are: N0795YN140 (V_{drm}/V_{rrm} 1400 Volts and I_{tav} 795A), N0795YN180 (V_{drm}/V_{rrm} 1800 Volts and I_{tav} 795A), N0530YN220 (V_{drm}/V_{rrm} 2200 Volts and I_{tav} 530A) and N0530YN250 (V_{drm}/V_{rrm} 2500 Volts and I_{tav} 530A).

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

For more information please go to the IXYS UK website at www.ixysuk.com or please contact us at (email: sales@ixysuk.com) or telephone: +44 (0)1249 444524 for quotation.

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