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Fragmento de IXYs, versión inglés.

Higher Power Switched

Power Rectification Modules

"IXYS continues to innovate in its traditionally strong product offerings," commented Bradley Green, VP of International Sales for IXYS. "With this development IXYS is extending its industry leading bipolar technology to offer our customers the largest power available in industry standard module outlines. Equipment designers have traditionally been limited in power handling ability in modules and have had to utilize larger module outlines in order to improve power ratings. With this development IXYS is allowing the designer to switch more power than historically available, facilitating higher power densities, greater material efficiency and lower system cost and weight."

Examples of the development in the standard industrial case, popularly called "34mm module" (Y4), are the MCMA260P1600YA (a dual thyristor module) and the MCMA260PD1600YB (a thyristor/ diode module) for varying topology requirements. Both modules have a rated current of 260A, improved surge rating and maximum junction temperature of 140°C. The result is the consequence of a development program to enhance industry approved technology and offer advantages over competition and extends the range of IXYS' established products like MCC200 and MCD200.

MCMA265P1600KA (dual thyristor) and MCMA265PD1600KB (thyristor/diode) modules represent improvements for the standard industrial case popularly called "50mm module" (Y1). Both product lines will be available for a device voltage range from 800 to 1800V.

"These new IXYS modules set a new benchmark for input power switching and rectification, enabling our customers to increase the efficiency and reliability of their products, with reduced cost and size," commented Dr. Nathan Zommer, CEO of IXYS. "The higher the power rating of a system, the more to gain with switched input rectification using these new modules."

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