

Sensata's NOVA22 Solid State Relay Now Features 45mm DIN Rail Model

New SSR offers higher power ratings, IP20 protection and output wire capacity up to 3 AWG with quick, 'no-accessories-necessary' installation

SWINDON, United Kingdom – May 30th, 2018 – Sensata Technologies (ST) announced today it has added the Crydom DR45 Series solid state relay (SSR) to its innovative NOVA22 family for use in industrial machinery, HVAC&R and railway vehicles. This new DIN rail mount SSR offers high power density up to 60 Amps at 40°C in a compact, 45mm package and is the only solid state relay capable of accepting output wires up to 3 AWG with an IP20 protection rating.

The SSR is ready-to-use with integrated heat sinks designed to provide the appropriate thermal resistance for the application without the need for cumbersome calculations, simplifying the specification process for the user. Cage clamp output connections provide a finger touch-safe IP20 protection rating and allow for quick and easy installation of large wires directly to the SSR, without the need for lug terminals or other accessories. Input connection options include standard 'screw' or 'spring' cage terminals for flexible design into a variety of applications.



The 45mm wide NOVA22 DR45 solid state relay offers power density up to 60 Amps and wire capacity up to 3 AWG.

“The innovative cage clamp connection design makes the DR45 the only SSR that can accept wire sizes up to 3 AWG with a true IP20 protection rating,” said Jesus Miranda, Sensata Technologies Product Manager.

Designed for superior thermal performance, the DR45 solid state relay also features optional built-in overvoltage protection, contactor configurations and either AC or DC control. The new SSR is available in a wide AC output voltage range of 48 to 600 VAC and holds C-UL-US, VDE, CE and RoHS approvals. With its versatile current-carrying capacity levels, the DR45 broadens the array of applications for the NOVA22 DIN Rail mount products which include access control, HVAC&R, industrial ovens, food processing and packaging equipment, railway vehicles and more.

In addition to its newest DR45 series, the NOVA22 family includes 22.5mm DIN rail and panel mount solid state relays with power density up to 95 Amps at 600 VAC, the DRML1 load monitoring module that detects partial or total load failure up to eight loads and the PMP Series of Proportional Controllers.



For detailed information about the new [NOVA22 DR45](#) and other solid state relay products visit www.sensata.com.

About Sensata Technologies

Sensata Technologies is one of the world's leading suppliers of sensing, electrical protection, control and power management solutions with operations and business centers in twelve countries. Sensata's products improve safety, efficiency and comfort for millions of people every day in automotive, appliance, aircraft, industrial, military, heavy vehicle, heating, air-conditioning and ventilation, data, telecommunications, recreational vehicle and marine applications. For more information, please visit Sensata's website at www.sensata.com.

Sensata-Crydom is a market leader with the widest range of off-the-shelf solid state relays and contactors, as well as custom-designed solid state switching solutions. Our commitment to high quality standards and innovation allow us to deliver the most reliable products for industrial market applications.

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