

FOR IMMEDIATE RELEASE

Zest Weg Group Introduces The Latest Advances In Electric Motor Control And Protection Systems

The continuous pursuit for improvement and cost reduction in industry has seen a rapid evolution in the development of electric motor control and protection systems. “To ensure that we meet all the needs of industry in this regard, as well as keeping abreast of the latest trends and developments, the Zest WEG Group has introduced the WEG range of RW_E electronic motor protection overload relays, to complement the range of smart relays” Stephen Cook, switchgear manager at Zest WEG Group, says.

The WEG RW_E electronic overload relay is designed for increased reliability in terms of the protection of low voltage three phase motors in sinusoidal 50/60 Hz networks where reliability, low power dissipation and ease of maintenance are critical requirements. The WEG RW_E electronic overload relay has been developed in accordance with the IEC 60947-4-1 and UL 60947-4-1A (UL 508) international standards.

RW_E Electronic overload relays are highly reliable devices intended to protect motors, controllers and branch circuit conductors against phase failures and overloads that can result in overheating. These critical products play a vital role in overall system performance and efficiency and are designed to protect three phase and single phase AC motors.

The electronic overload relay has no power contacts and therefore cannot disconnect the motor by itself. Instead, motor overloads or phase failures increase the motor current, which in turn trips the mechanism and switches the auxiliary contacts. When wired properly in series with the coil of the contactor, these auxiliary contacts will de-energise the contactor in the event of an overload.

This means the contactor itself disconnects the power supply to the motor, halting its operation. Another handy feature is that, once tripped, the relay will only reset once the motor has cooled down, preventing costly damage. The WEG RW_E electronic overload relays are temperature compensated, which means that the trip point is not affected by temperature and it performs consistently at the same current value.

In order to ensure rapid tripping in the case of phase loss, and thereby protecting the motor and avoiding costly repairs or additional maintenance, the WEG RW_E relays include phase failure sensitivity protection as a standard feature. They can be mounted directly onto the WEG CWB and CWM contactor ranges which make for highly reliable and flexible motor starting units.

The Zest WEG Group's range of motor protection and starter products includes modular contactors of up to 800 A (AC-3), compact contactors of up to 22 A (AC-3), control relays, motor protective circuit breakers of up to 100 A, enclosed starters (plastic or metallic), customised starters for OEM applications and overload relays.

The WEG family of smart relays includes the WEG SRW product with HMI and fieldbus capability and Profibus, Modbus and Ethernet.

SOLID STATE OVERLOAD RELAYS PIC 01 : The WEG RW_E electronic overload relay is designed for increased reliability.

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