Product Description

Discontinued Product

Speed Controller RFR200

The Speed Controller RFR200 monitors the frequency of the input signal and compares it with the set-point firing speed and the rated speed. In case the speed exceeded the set-point value the relay will be switched.

Application

The Speed Controller RFR200 has been developed to monitor the frequency of generator systems. As the voltage of the measurement signal is low during the run up of the generator, the RFR200 can be supplied with standard battery voltage (9 up to 36VDC). The input voltage can be chosen from a broad range 10VAC (start-up voltage) up to 264VAC and is galvanically separated from main.

The RFR200 is provided with a firing speed and the rated speed circuit. The firing speed circuit can be used to switch off the starter. The rated speed signal indicate the achievement of the set-point speed value and an exceeding of the signal can be used to activate a safety relay. The device is designed to operate accurately on distorted waveform caused by UPS system and SCR drives.

Technical Data

- Type: Speed Controller RFR200
- Material of housing: Bayblend FR 1439/0240 modified ABS with burning protection UL 94 VO
- Measuring Voltage: 10 - 264VAC, 0 - 100Hz , Other voltages on request
- Rated Frequency: 50 Hz
- Supply Voltage: 9 - 36VDC
- Power consumption: appr. 2W
- Delay Time: Appr. 100ms
- Repeat accuracy: 1%
- Operation: Continues operation
- Contact Rating: 5A/250VAC , 5A/30VDC , 0,015 Ohm Kontaktwid. , 10⁵ switchings
- Isolating Voltage: 3000V (Coil-Contact), 1000V (Open Contact)
- Ambient Temperatures: -10 °C bis +55°C, 95% Hum
- Mains Separation: EN 60 742 (safety transformers)
- General Regulations: EN 50 178 (electrical units in power current installation)
- Noise suppression: EN 55 022/B
- EMV: EN 61000 und EN V 50 140
- Installation position: any
- Maintenance: Maintenancefree