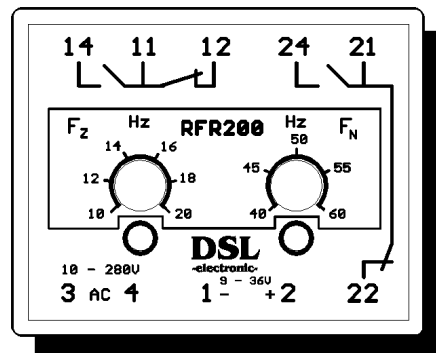


Discontinued Product

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
Construction	Plastichousing on 35 mm hat rail acc. to DIN EN 50022
Material of housing	Bayblend FR 1439/0240 modified ABS with burning protection UL 94 VO
Dimension, Weight	55x68x110mm (WxHxD), appr. 0,4 kg
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. , 10 ⁵ switchings
Isolating Voltage	3000V (Coil-Contact), 1000V (Open Contact)
Connecting Terminals	Potentialfree, Wires up to 2,5 mm ²
Type of Protection	Housing IP 40 , Terminals IP 20 (VDE 0106T100/VBG4)
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