WOODWARD.



APPLICATIONS

For maintenance on a high voltage transformer or on the high voltage utility it is necessary to supply the load of the isolated (and with switching the transformer OFF) voltage free busbar with power. Therefore one or several mobile container(s) with gensets can be used. Because this containers are placed outside the building with the transformer the service personnel needs an direct access to remote set the frequency and the voltage of the mobile genset for synchronization. If there is no circuit breaker but only a fuse accessible a need for the additional feature "zero-angle-control" at that point is necessary.

The SYNCONpanel is a remote synchronizing panel that transfers a local measured difference between two voltage systems via CAN bus to the genset control GCP-31/RPQ-SC08 (P/N 8440-1764). Please refer to the Product Specification 37316 for more details about this unit.

SYNCONpanel

Transportable Remote Synchronizing Panel

OPERATION

The user locally measures voltage V_{L1-N} of the one system and voltage V_{L1-N} of the other system via direct measuring inputs on the front of the SYNCONpanel. In the SYNCONpanel package is the control unit SYNCON included which compares those two voltages with each other. The frequency and voltage of the two systems and the phase angle between the two systems are displayed on the LC display. This value is transferred via a CAN bus to the genset control GCP-31/RPQ-SC08 which is situated in the mobile genset container. There the control of frequency and voltage are progressed.

DESCRIPTION

Features

- True RMS voltage (A and B side)
- True RMS current (A side)
- Synch-check functionality
- Remote control of frequency, voltage, real power, and power factor
- Zero-phase-angle-control
- Power transfer zero control (softload)
- Two-line LC display

- Flexible solution for mobile genset maintenance applications
- Synch-check relay
- Synchronizer
- Power transfer zero control
- CAN bus based communication
- True RMS sensing
- Front panel configurable
- Microprocessor technology for accurate, repeatable and reliable operation

SPECIFICATIONS

Power supply	
Intrinsic consumption	max. 12 W
Ambient temperature	20 to 70 °C
Ambient humidity	95 %, non-condensing
Voltage	rated: 230 Vac
Accuracy	Class 1
Fuse (front measuring) 5×20 m	m, 5 A slow-to-blow, internal
Measuring frequencyr	ated: 50/60 Hz (40 to 70 Hz)
Linear measuring range up to	
Input resistance	0.7 MΩ
Max. power consumption per pa	th < 0.15 W
Currentclamp-on transdu	cer (front safety connectors)
	1 mV/1 Aac or 10 mV/1 Aac
Rated measuring voltage	1 Vac
Accuracy	Class 1
Linear measuring range up to	1.6 Vac
Input resistance	0.21 MΩ

EMERGENCY STOP push but	tonpotential free
Version	NO (make contact)
Switching voltage	250 Vac/dc
Interface	galvanically isolated
Туре	CAN bus (CAL)
Insulation voltage	min. 3,000 Vdc
Housing	. portable (with hinged cover)
Туре	Peli 1300 Case Plastic
Dimensions	
Connection	
- Front Safety	connectors 4 mm ² (isolated)
- Back	Industrial connector, A series
(Harting F	HAN-A, Type 0920 010 2612)
Front	insulating surface
Protection system	at professional installation
	IP 65 (closed case cover)
	IP 40 (opened case cover)
Weight	approx. 3.3 kg
Disturbance test (CE)	tested according to
	applicable EN guidelines

DIMENSIONS



WIRING DIAGRAM



APPLICATION





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OVERVIEW



Measuring Kit

- 3× Flat Bar Clamp - 1× Clamp-On Transducer
- Wires



no P/N 8923-1035

For more information contact: