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Description and technical data

AUTOMATIC PANEL WITHOUT ATS

Control unit type AMF25 with microprocessor logic. Operating parameters monitoring and optimal genset control. Protection IP42

FUNCTIONS

- Network voltage relay -30% +20% and asymmetry
- Excitation and disexcitation engine stop
- Network absence delayed automatic start
- Five automatic start attempt
- Programmable horn alarm time
- Gen set utilization insertion delay
- Network – gen set commutation delay
- Network voltage return delay
- Cooling time before engine stop
- Automatic start and stop remote command
- Programmable periodic test
- Programmable maintenance interval
- Idle operation mode
- Glow plugs preheating predisposition
- Gas engine predisposition
- Immediately emergency stop button
- Engine started from D+/Hz/Volt
- Automatic battery charger: 5A 180/500KVA
 10A 600/1250KVA
 15A 1400/2000KVA

PROTECTIONS

- Pre-alarm low oil pressure (analogic if programmed)
- Low oil pressure (analogic if programmed)
- Pre-alarm high water temperature (analogic if programmed)
- High water temperature (analogic if programmed)
- Pre-alarm low fuel level (analogic if programmed)
- Low fuel level (analogic if programmed)
- Starting failure
- Low battery voltage
- High battery voltage
- Charger battery alternator failure
- Generator min-max voltage
- Over speed and min-max frequency
- Over/under speed
- Generator overload
- Engine stop failure
- Emergency stop
- Engine hang-up
- Maintenance request
- Network contactor failure
- Gen set contactor failure
- Use alarm #1 Use alarm #2
- Use alarm #3 Use alarm #4

INSTRUMENT / VISUALIZATION

- Gen set phase current and voltage L1/L2 - L2/L3 L1/L3
- 3 gen set current
- Active / reactive power / apparence (kW – VAR - kVA)
- Main / gen set frequency
- Gen set frequency
- Battery voltage
- Gen set operating hour counter
- Number of start counter
- Gen set programming service
- Engine round speed
- Water temperature gauge digital or/and analogic
- Oil pressure gauge digital or/and analogic
- Fuel level gauge digital or/and analogic
- Electronic horn alarm

CONTROL UNIT COMMAND

- Operation mode push buttons (off-man-aut-test)
- Manual engine START, STOP push buttons
- Manual changeover ON-OFF command
- Alarm reset and measure selection push button
- Modality selection push button

FUNCTION CODES

- Automatic start
- Automatic test
- Gen set not ready
- Pre- start - Stop
- Ready to start - Cooling

400V THREE-PHASE KVA	230V THREE-PHASE KVA	CARPENTRY DIMENSIONS (cm)
180	100	70x50x25
200	120	70x50x25
250	150	70x50x25
300	175	70x50x25
350	200	70x50x25
400	250	70x50x25
450	275	70x50x25
500	300	70x50x25
600	350	80x160x30
700	400	80x160x30
800	450	80x160x30
900	500	80x160x30
1000	600	80x160x30
1250	700	80x160x30

IMPORTANT

THE GEN SETS FROM 180 TO 1250 KVA EQUIPPED OF AMF PANEL ARE NOT SUPPLIED WITH STANDARD PANEL AND INSTRUMENTS. THE INSTRUMENTS WILL BE ON THE AMF PANEL.

Il responsabile di progetto: Ing.Lorenzo Santucci