ALL WIRES EXIT BOTTOM OF CONTROLLER

Rev3-2025-0311

GEN GEN GEN

FROM GENSET 3 PHASE

1 PHASE

STOP / RUN SOLENOID

OFF

ON

12GA RED

EMERG SHUTDN SWITCH

14GA GREEN

E-STOP EMERGENCY STOP BUTTON

ADD 120OHM RESISTOR

OPTIONAL

CIRCUIT BREAKER SHUNT

OPTIONAL CANBUS

CAN BUS CABLE

CLEAR

BLACK

BROWN BLUE

EF ER

ENGINE FAIL ENGINE RUN

OVER CURRENT

S-26

14GA WHITE / RED

STOP / RUN SOLENOID

+24VDC 20A

TO WOODWARD SPEED CONTROLLER

FUEL

BATT B+

14GA WHITE / BLUE

STARTER

TO STARTER CONTROL RELAY BOX

TO TRUNK 3 ON SHEET 2

TO TRUNK 2 ON SHEET 2

TRUNK-2 TO CONTROLLER

START / STOP SOLENOID (+)

START / STOP SOLENOID (-)

LOW COOLANT #2 SIGNAL

LOW COOLANT #2 GND

LOW COOLANT #2 B+

TEMPERATURE SENDER #2

ALTERNATOR COMMON SINK

ALTERNATOR CHARGE SIGNAL

STARTER #2 COMMON SINK

STARTER #1 COMMON SINK

12GA BLACK

12GA RED

WOLET

16GA YELLOW

14GA WHITE/BLUE

TRUNK-3 TO CONTROLLER

14GA RED

14GA GREEN

TO TRUNK 3 ON SHEET 2

BATT B+

12GA RED

+12VDC 20A

ALTERNATOR SENSE NOT USED

ALARM INTERFACE LOW COOLANT SW

AUXILLIARY 20A

F6

LOW COOLANT SENDERS 14GA RED

GROUND

12GA BLACK

14GA GREEN

GROUND

J

STOP / RUN SOLENOID

TRUNK-1 TO CONTROLLER

TO TRUNK 1 ON SHEET 2

12GA RED

12GA GREEN

14GA BLUE

16GA BLACK / YELLOW

14GA BLACK

16GA RED

16GA GREEN

16GA WHITE

14GA GREEN

16GA GREEN

H LO

G HT

I

GROUND

16GA GREEN

24-LOW COOLANT LEVEL (BLACK)

D

LOW COOLANT #2 SIGNAL

HT

F

14GA GREEN

C

14GA RED

F4

PREH FUEL START

BATT B+

24VDC

BATT B+

CAN BUS LOW

CAN BUS HIGH

CAN BUS SHIELD

IC+ IC- IB+ IB- IA+ IA-

DIGITAL OUTPUT 12 DIGITAL OUTPUT 11 DIGITAL OUTPUT 10 24VDC DIGITAL OUTPUT 9 DIGITAL OUTPUT 8 DIGITAL OUTPUT 7 24VDC DIGITAL OUTPUT 6 DIGITAL OUTPUT 5 DIGITAL OUTPUT 4 24VDC DIGITAL OUTPUT 3 DIGITAL OUTPUT 2 DIGITAL OUTPUT 1

RS232

USB MINI-B

BASLER DGC-2020

LINE-1 LINE-2 LINE-3 NEUTRAL

DIGITAL INPUT 1 DIGITAL INPUT 2 DIGITAL INPUT 3 DIGITAL INPUT 4 DIGITAL INPUT 5 DIGITAL INPUT 6 DIGITAL INPUT 7 DIGITAL INPUT 8 DIGITAL INPUT 9 LOW COOLANT-2 OIL BYPASS DIGITAL INPUT 12 DIGITAL INPUT 13 OIL LEVEL-DK LOW OIL EMRG-STOP RS-485-A RS-485-B RS-485-SHIELD SENDER COMMON COOLANT SENDER FUEL SENDER OIL SENDER RDP-TXD-+ RDP-TXD- RDP-BATT- RDP-BATT+

RDP-110 REMOTE ANNUNCIATOR

23-FUEL HIGH LEVEL (WHITE)

24-LOW COOLANT LEVEL (BLACK)

25-LOW BATERRY VOLTAGE (BLK/YEL)

26- HIGH BATTERY VOLTAGE (WHT/YEL)

27-BATTERY CHARGER AC FAIL (WHT/BLU)

28-FUEL LEAKAGE (WHT/YEL)

29-LOW FUEL 50% (BLK/YEL)

30-START-STOP SIGNAL (GROUND ASSERTED)

14GA BLACK

NEUTRAL

14GA WHITE

E1 E2 E3

F3 F2 F1

EMERG-3 2A EMERG-2 2A EMERG-1 2A

41 39 37

SHEET 1 OF 2

BASLER DGC-2020

GILLETTE GENERATORS, INC. 2921 THORNE DR, ELKHART, IN 46514 574.264.9639			
DESCRIPTION: WIRING DETAIL MITSUBISHI STAMFORD GENSET WIRING FOR 1 MEG WOODWARD W/ DGC-2020 AND EMERGENCY S/D SWITCH			REV 3
DATE: 1-22-2025	PT. NO: N / A	SCALE: 1:1	CAD_NO.: 20250327.12:00:00
DR.BY: TEDD	ENG. TEDD	PG.NO. 1 OF 1	DRAWING NO.: SPMI-MITSU-BASLER-2020