AMS

3 PHASE
340 AMPS MAX

BPD

CURRENT SENSE SWITCH

M

NOTE:
SEE SHEET ASM FOR WIRING OF ASM TO LOW VOLTAGE SYSTEM AND ACCUMULATOR CASE

LOW VOLTAGE BATTERY

NOTE:
SEE SHEET IMD FOR WIRING OF IMD TO LOW VOLTAGE SYSTEM AND ACCUMULATOR CASE

PRODUCT #:
IR155-3203

NOTE:
SEE SHEET RMCU FOR WIRING OF RMCU TO LOW VOLTAGE SYSTEM AND SENSORS

RMCU

POWER IN (FUSED)

POWER IN (FUSED)

HVC

NOTE:
SEE SHEET X FOR WIRING OF HVC TO LOW VOLTAGE SYSTEM, ACCUMULATOR CASE, AND CONTROL PINOUT

3-PHASE POWER OUT

K4

K1

+ -

600 OHM 50 WATT

PRE-CHARGE/DISCHARGE CIRCUIT

HIGH VOLTAGE SENSE

J2-21

J2-7

RUN-READY LIGHT

K12

FROM LOW VOLTAGE BATTERY

LOGIC SCHEMATIC

AIRS RELAY CONTACTS

AIRS RELAY CONTACTS

1 AMP

300 AMP BUSSMAN FW-300A

RUN/ENABLE SWITCH

LOW VOLTAGE DISCONNECT BRAKE MICRO SWITCH

LEFT E-STOP

RIGHT E-STOP

COCKPIT E-STOP

BRAKE OVERTRAVEL SWITCH

TRACTIVE SAFETY MASTER SWITCH

TO HVC

TORQUE

K9

POWER IN (FUSED)

POWER IN (FUSED)

FROM BRAKE POT

FROM ACCEL. POT 1

FROM ACCEL. POT 2

CAN BUS CH. A

HIGH VOLTAGE REGULATOR

FUSE BLOCK

DC LOW VOLTAGE (MEDIUM AMP)

FUSE BLOCK

3-PHASE (AC HIGH CURRENT)

320 AMPS MAXIMUM PER PHASE

FUSED

HIGH VOLTAGE REGULATOR

FUSED

INERTIA SWTICH

LOCKOUT RELAY CONTACTS

RELAY COILS

RELAY COILS

K9

K11

K13

IMD STATUS (RED = FAULT) (NO-LIGHT = GOOD)

K13

FAULT = LOW

LOCKOUT RELAY CONTACTS

K10

K7

600 OHM 50 WATT

K5

FROM HVC

HIGH VOLTAGE DISCONNECT WITH INTERLOCK

LOCKOUT RELAY CONTACTS

K5

TO LOW VOLTAGE BATTERY

ATTENTION VOLTAGE REGULATOR

ATTENTION LOW CURRENT REGULATOR

ATTENTION REGULATOR 2

ATTENTION REGULATOR 3

ATTENTION LOW VOLTAGE REGULATOR

ATTENTION HIGH VOLTAGE REGULATOR

ATTENTION 3-PHASE POWER OUT

ATTENTION 3-PHASE POWER IN

ATTENTION HVC

ATTENTION IMD

ATTENTION AMS

ATTENTION BPD

ATTENTION RUN-ENABLED LIGHT FROM BRAKE POT

ATTENTION RUN-ENABLED LIGHT FROM ACCEL. POT 1

ATTENTION RUN-ENABLED LIGHT FROM ACCEL. POT 2

ATTENTION CAN BUS CH. A

ATTENTION HIGH VOLTAGE REGULATOR

ATTENTION FUSE BLOCK

ATTENTION DC LOW VOLTAGE (MEDIUM AMP)

ATTENTION 3-PHASE (AC HIGH CURRENT)

ATTENTION 320 AMPS MAXIMUM PER PHASE

ATTENTION FUSED

ATTENTION HIGH VOLTAGE REGULATOR

ATTENTION FUSED

ATTENTION INERTIA SWTICH

ATTENTION LOCKOUT RELAY CONTACTS

ATTENTION RELAY COILS

ATTENTION RELAY COILS

ATTENTION K9

ATTENTION K11

ATTENTION K13

ATTENTION NOTE:
SEE SHEET ASM FOR WIRING OF ASM TO LOW VOLTAGE SYSTEM AND ACCUMULATOR CASE

ATTENTION NOTE:
SEE SHEET IMD FOR WIRING OF IMD TO LOW VOLTAGE SYSTEM AND ACCUMULATOR CASE

ATTENTION NOTE:
SEE SHEET RMCU FOR WIRING OF RMCU TO LOW VOLTAGE SYSTEM AND SENSORS

ATTENTION NOTE:
SEE SHEET X FOR WIRING OF HVC TO LOW VOLTAGE SYSTEM, ACCUMULATOR CASE, AND CONTROL PINOUT

ATTENTION AMS STATUS (RED = FAULT) (NO-LIGHT = GOOD)

ATTENTION IMD STATUS (RED = FAULT) (NO-LIGHT = GOOD)