





NOTES:

- CONNECTED TO THE CABINET. CUSTOMER TO CONNECT THE CABINET GROUND LUG TO EARTH GROUND.
- CONDUIT FITTINGS/HUBS SHALL COMPLY WITH THE 'STANDARD FOR CONDUIT, TUBING, AND CABLE FITTINGS, UL 514B', OR CONDUIT FITTINGS HAVING THE SAME ENVIRONMENTAL RATING AS THE ENCLOSURE SHALL BE USED.
- INSULATED TWISTED SHIELDED WIRE IS REQUIRED. SHIELD TO CONNECT TO PROPER TERMINALS AS SHOWN. CONNECT THE SHIELD ONLY AT THIS END. STUB AND ISOLATE THE OTHER END. DO NOT RUN THESE WIRES IN THE SAME CONDUIT AS THE AC POWER AND AC CONTROL WIRES. KEEP ALL WIRING UNDER 50m IN LENGTH.
- FOR A CONTROL TRANSFORMER T1 POWER RATING OF 350VA OR GREATER, SECONDARY FUSE F6 IS ADDED.
- CUSTOMER TO CONNECT NORMALLY OPEN BRAKING RESISTOR THERMAL SWITCHES PER THE GA800 TECHNICAL MANUAL IN PARALLEL WITH TB1-7 AND TB1-8.
- IF AC MOTOR IS FURNISHED WITH A N.C. THERMAL SWITCH THEN SET DRIVE PARAMETER H1-08 TO 27. THIS WILL CAUSE THE DRIVE TO COAST TO STOP UPON A AC MOTOR THERMAL FAULT. ALONG WITH THIS, ADD THE FOLLOWING CUSTOMER WIRING: WIRE THE N.C. THERMAL SWITCH BETWEEN DRIVE TERMINALS S8 AND SN, AS PER NOTE 3 ABOVE.
- OPTIONS TC, TD, TG, TH OR TQ CONTROL (SEE UDE00600 FOR MORE INFORMATION):
 OPTION TC = PROFINET
 OPTION TD = ETHERNET/IP
 OPTION TG = DEVICENET
 OPTION TH = PROFIBUS
 OPTION TQ = ETHERNET MODBUS TCP/IP
- DRIVE INPUT FUSES F3, F4, F5 ARE INCLUDED WITH OPTION PE, PC, PM, OR PJ FOR BASE NUMBERS B052-B590.

OPTION PJ
DYNAMIC BRAKING
WITH DB RESISTOR
OVERTEMPERATURE
SHUTDOWN

SEE GA800
TECHNICAL MANUAL
FOR WIRING
INSTRUCTIONS

--- INDICATES CUSTOMER WIRING.
 - CONNECTED TO THE CABINET OR PANEL.

YASKAWA		DATE	TITLE	
DRAWN BY:	K. PEOPLES	8/3/18	SCHEMATIC DIAGRAM	
CHECKED:	N. LAWS	8/3/18	GA800 CONFIGURED TYPE12	
TECH:			HEAVY DUTY RATING	
APPROVED:	K. FLIERL	8/3/18	SIZE	REVISION
ORIGINAL DESIGN:	K. PEOPLES	8/3/18	D	00
			PAGE	2 of 2
			DRAWING #	
			DS.G8C12.02	