





— — INDICATES CUSTOMER WIRING.  
 ⏏ — CONNECTED TO THE CABINET OR PANEL.

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 TERMINAL S8 OF THE 120VAC INTERFACE CARD AND ONE SIDE OF THE 120VAC SOURCE.
- CUSTOMER MUST PROVIDE PROPER SHORT CIRCUIT PROTECTION AND MEANS OF DISCONNECT.
- OPTIONS TC, TD, TG, TH OR TQ CONTROL (SEE UDE00579 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 B004-B590.

OPTION PJ  
 DYNAMIC BRAKING  
 WITH DB RESISTOR  
 OVERTEMPERATURE  
 SHUTDOWN  
 SEE GA800  
 TECHNICAL MANUAL  
 FOR WIRING  
 INSTRUCTIONS

<b>YASKAWA</b>		DRAWN BY: K. MALUSIC	DATE: 8/1/18	TITLE: SCHEMATIC DIAGRAM GA800 CONFIGURED TYPE 1 HEAVY DUTY RATING WITH OPTION PJ AND TV	
		CHECKED BY: N. LAWS	DATE: 8/1/18	SIZE: D	REVISION: 00
		APPROVED BY: K. FLIERL	DATE: 8/1/18	PAGE: 2 of 2	
		ORIGINAL DESIGN: K. MALUSIC	DATE: 8/1/18	DRAWING #: DS.G8C1.06	

REVISIONS					
REV	DESCRIPTION	ECD #	DRAWN BY	DATE	
00	INITIAL RELEASE	-	KM	8/1/18	