SD750 PTC INPUT CONFIGURATION

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Document SD750-11

Contents

POWER ELECTRONICS NEW ZEALAND

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Parameters

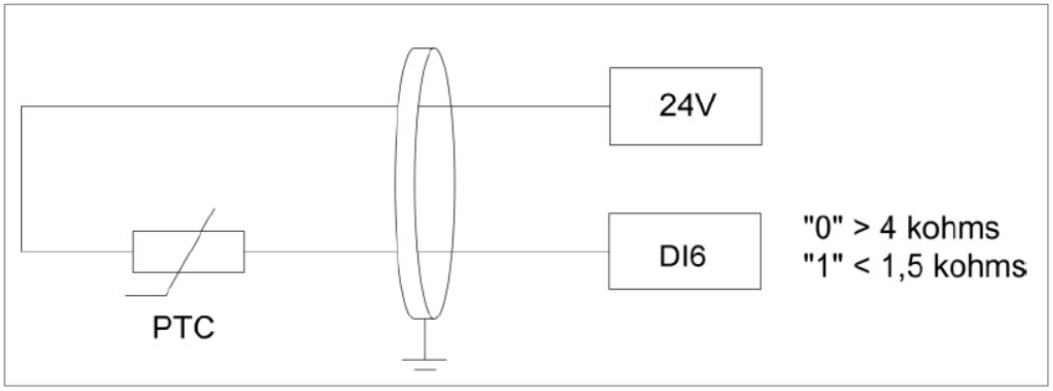
Group 4: Inputs

This group of programming parameters is divided into different subgroups.

Subgroup 4.1: Digital Inputs

G4.1.10 Digital Input 6/PTC = Not used	28	LCL Regenerative fb	Not available
	29	PTC	To generate the fault 'F79 PT100'. **Only valid for Digital Input 6.**
	32	Speed / Torque	Allows changing the control mode by Speed (input = 0) or by Torque (input = 1)
	33	Output 1 Feedback 1	If the status of the input is different during the time set in G4.1.27 to the state of the corresponding output, fault "F55: contactor feedback"
	34	Output 1 Feedback 2	
	35	Output 1 Feedback 3	
	36	Output 4 Feedback 4	
	37	Output 5 Feedback 5	
	38	Output 6 Feedback 6	
	39	Output 7 Feedback 7	
	40	Output 8 Feedback 8	
	41	Universal Stop	It stops the drive regardless of control mode & program selection configured (NO).
	43	Output 9 Feedback 9	If the status of the input is different during the time set in G4.1.27 to the state of the corresponding output, fault "F55: contactor feedback"
	44	Output 10 Feedback 10	
	45	Output 11 Feedback 11	
	46	Output 12 Feedback 12	
	47	Output 13 Feedback 13	
	48	Torque limit 2	Allows selecting the alternative torque limit reference as programmed in G10.2.8

Connection Diagram



Terminal Numbers

Terminals 7 : +24V_User
Terminals 13 : DI6 PTC

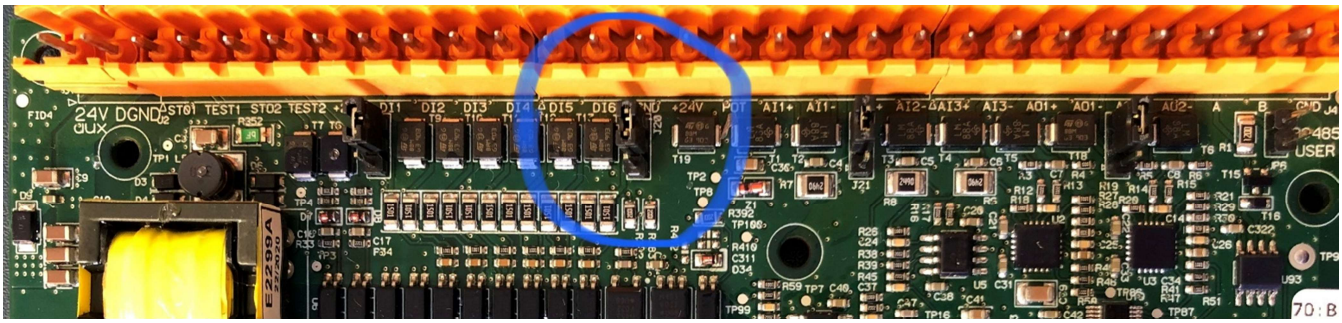
NOTE: the remote I/O control cables must be screened

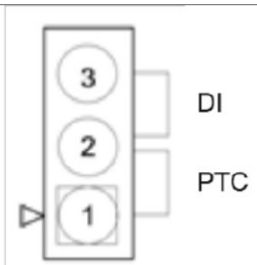
Notes explanations of parameters

DI6 (PIN13) PTC sensor input mode.

It is possible to connect a PTC sensor in the digital input 6 (DI6) so that the equipment acts from a temperatura (resistance) value associated to motor's temperature and to allow enabling cooling or stop motor running. It must be considered that sensor resistance does not exceed trigger point (pass from 1 to 0) of the DI6 when motor is under normal conditions of operation temperature. Cable ground screening must be connected only in one end.

Position of control card jumper J20



J20 (DI6)	Configures the AI6 as Digital Input or PTC.	

DI Input mode

PTC Input Mode