



Time Proportioning Power Controller to 100/80Amp TPLP F7 Series

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- Solid State Relay assemblies rated to 80A/pole and 100A/pole @ 40°C (100% duty cycle, respectively)
 - Suitable for inductive loads (w/ -10 option)
 - Provides precise time proportioned 0-100% output
 - Drives multiple Solid State Relays
 - 3 phase control
 - 90°C over-temp cutout switch standard
 - Relays & fan: UL, CSA, VDE, CE
 - LED input status indicator & panel mount standard
 - Drops only 6.3 volts of total loop voltage
 - Ball bearing fan standard; 50/60 Hz
- (1) Fan options: B - 120VAC fan, C - 240VAC fan, I - 24VDC fan (Add letter of fan to end of part # EX: HBC-125DF73B – Denotes 3 phase, 3 pole, W/ 120VAC fan

OUTPUT SPECIFICATIONS	80Amp		100Amp	
	TPLP-90DF73(1)	TPLP-690DF73(1)	TPLP-125DF73(1)	TPLP-6125DF73(1)
	3 Phase / 3 Pole	3 Phase / 3 Pole	3 Phase / 3 Pole	3 Phase / 3 Pole
Operating Voltage (47-63 Hz)	48-530VAC	48-660VAC	48-530VAC	48-660VAC
Load Current Range	0.04-80A	0.04-80A	.04-100A	.04-100A
Transient Overvoltage [Vpk]	1200	1200	1200	1200
Max. Surge Current, (16.6ms) [Apk]	1200	1200	1750	1750
Max. On-State Voltage Drop [Vpk]	1.7	1.7	1.7	1.7
Max. Turn-On	1/2 cycle	1/2 cycle	1/2 cycle	1/2 cycle
Max. Turn-Off Time	1/2 cycle	1/2 cycle	1/2 cycle	1/2 cycle
Max I ² t for Fusing (8.3ms)	6000	6000	12700	12700
Max Off-State Leakage Current [mA rms]	10	5	10	5
Power Factor (Min.) with Max. Load	0.5	0.5	0.5	0.5

INPUT SPECIFICATIONS:

4-20mA

INPUT OPTION:

Zero and Span Pots
(Change Prefix to: TPLPZ-)
Ex: TPLP-90DF73 = TPLPZ-90DF73

OPTIONS:

-M MOV – External transient voltage suppression
-P Internal transient protection
-FD Front DIN mount
-D DIN clip
-10 Random turn-on
-WH Wiring harness for multi-pole configurations
-CT Current Transducer

