



DIGITAL
power
REGULATOR

FLEX Manual

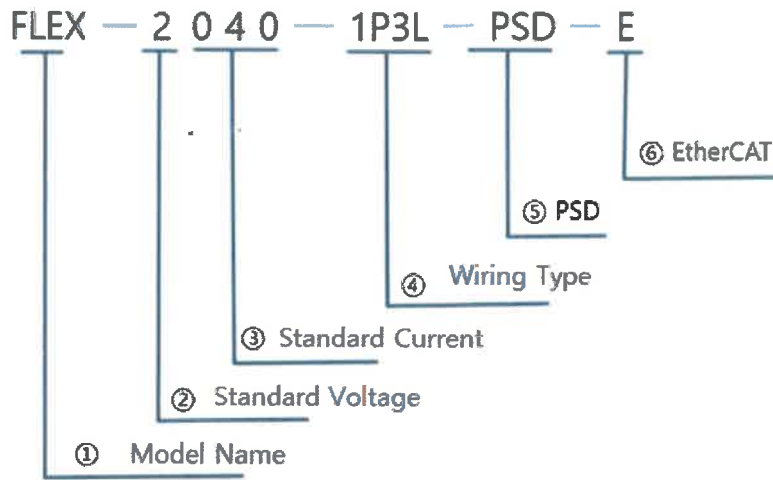
PARAENT
MUG1910280002



Right people make P A R A

FLEX POWER REGULATOR

1.2.2 Ordering code



①	Model: FLEX		
②	2: 220V 3: 380V 4: 440V		
③	025: 25A 070: 70A 130: 130A	040: 40A 090: 90A 160: 160A	055: 55A 110: 110A 200: 200A
④	1P3L: Single Phase 3EA 3P3L: Tri-Phase 1EA		
⑤	PSD-1000 use(Optional)		
⑥	E: EtherCAT 통신 C: 485 통신 N: None		

※ Above rated current is based on surrounding temperature of 25°C. If surrounding temperature is more than 25°C, lower the load current.

※ Should use connecting cable specially designed by PARA-ENT between FLEX and PSD-1000.

FLEX POWER REGULATOR

1.3.2 Specification

- Basic specification is as blow.

Rated Voltage(VAC)	220 / 380 / 440	
Rated Current(A)	25 / 40 / 55 / 70 / 90 / 110 / 130 / 160 / 200	
Frequency	50 / 60 Hz \pm 2	
Type of load	Resistive / Transformer coupled load	
Minimum output (A)	1	
Output Range	0~94%	
PCB power	DC 24V	
Power consumption	MAX 13W(with FAN)	
Analog Control Input	4~20mA (Impedance 100 Ω)	
No. of input channel	3ch	
Output Relay	N.O. (2ch, I _c \leq 1A)	
D/I contact	1ch	
Control method	Phase angle / Current Feedback / Zero-crossing	
Communication	EtherCAT Slave(Optional) / RS485-ModBus RTU	
Cooling method	Cooling FAN	
Alarm	1P3L	3P3L
	Over Current(OC), Over Current Warning(WC), Over Temperature (60 / 85°C), FAN Disorder(FAN), SCR fail(SCR), Partial Load Failure(PLF), Main power failure(MPF) / Load Failure(LINE) / FUSE failure(FUSE)	
		Unbalanced Load(UL)
Insulation resistance	Over 100 M Ω (at DC 500V)	
Performance guarantee temperature	0 ~ 40°C	
Operating Humidity	40 ~ 85%RH(No dew condensation)	
Display	3 Color LED (1EA Pilot, 1EA/Each Channel)	
Weight	25 ~ 70A : 4.2Kg / 90 ~ 200A : 9.0Kg	

※ Due to the characteristics of the circuit configuration, it is not possible to distinguish MPF, LINE, FUSE failure. Please check MPF, LINE, FUSE failure alarm together when the alarm is triggered.