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COSEL AC-DC Power Supplies Enclosed type

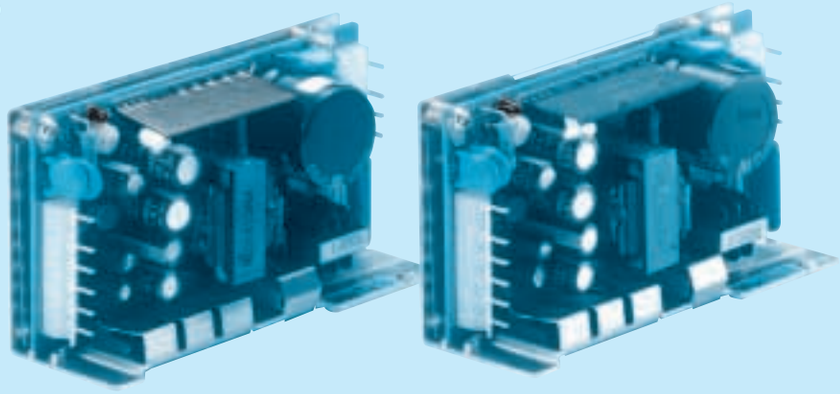
PMC15

Ordering information

PMC 15 E -1 -□

① ② ③ ④ ⑤

①Series name
②Output wattage
③UL recognized,TÜV approved,CSA certified : E
④Output voltage combination
⑤Optional ＊1
C :with Coating
G :Low leakage current



PMC

MODEL		PMC15E-1	PMC15E-2	PMC15E-3
DC OUTPUT	V1	+5V 2.0A	+5V 2.0A	+5V 2.0A
	V2	+12V 0.3A	+15V 0.3A	+12V 0.3A
	V3	-12V 0.2A	-15V 0.2A	-5V 0.2A

SPECIFICATIONS

	MODEL		PMC15E-1			PMC15E-2			PMC15E-3		
INPUT	VOLTAGE[V]		AC85 - 264 1φ or DC110 - 370								
	CURRENT[A]	ACIN 100V	0.4typ (Io=100%) Universal Input								
		ACIN 200V	0.2typ (Io=100%) Universal Input								
	FREQUENCY[Hz]		47 - 440 or DC								
	EFFICIENCY[%]	ACIN 100V	65typ (Io=100%)								
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%) (At cold start)								
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15	+5	+12	-5
	CURRENT[A]		2.0	0.3	0.2	2.0	0.3	0.2	2.0	0.3	0.2
	MINIMUM CURRENT[A]		0.1	0	0	0.1	0	0	0.1	0	0
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max	20max	48max	20max
	LOAD REGULATION[mV]		100max	120max	120max	100max	150max	150max	100max	120max	50max
	RIPPLE[mVp-p]		100max	60max	60max	100max	60max	60max	100max	60max	60max
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	350max	350max	50max	350max	350max	50max	350max	350max
	START-UP TIME[ms]		100max (ACIN 85V, Io=100%)								
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed
	OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75	——	11.4 to 12.6	-4.75 to -5.25
PROTECTION CIRCUIT	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically								
ISOLATION	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	INPUT-CASE		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-CASE		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩmin (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		0 to +65℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max								
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max								
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 30minutes each along X, Y and Z axis								
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA C22.2 No.60950-1, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN								
	CONDUCTED NOISE		Complies with FCC-B								

＊1 Please contact us about safety approvals for the model with option.
＊ Series/Parallel operation with other model is not possible.

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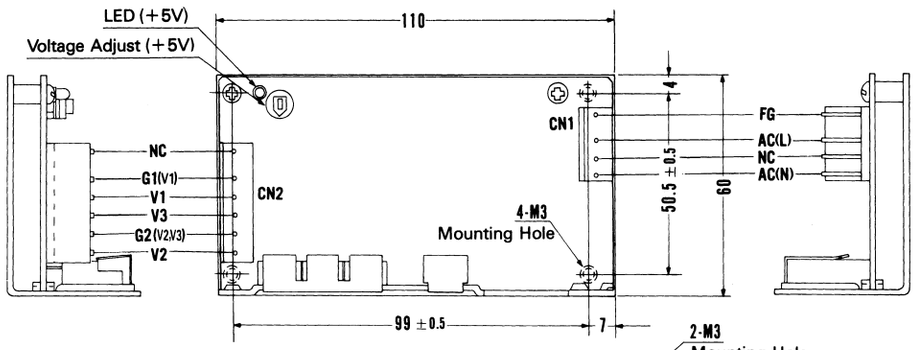
External view

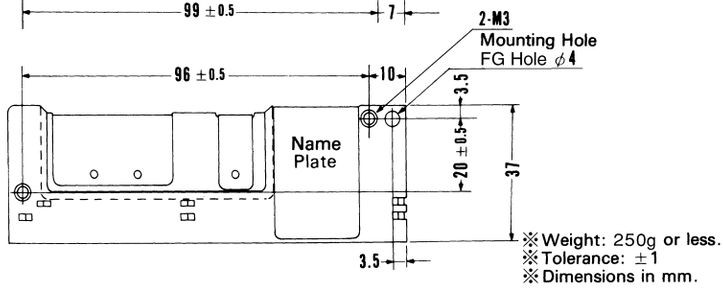
〈PIN CONNECTION〉

	PIN NO.	INPUT
CN1	1	FG
	2	AC (L)
	3	NC
	4	AC (N)

	PIN NO.	OUTPUT
CN2	1	NC
	2	G1
	3	V1
	4	V3
	5	G2
	6	V2

※V1 is Isolated from V2 and V3.





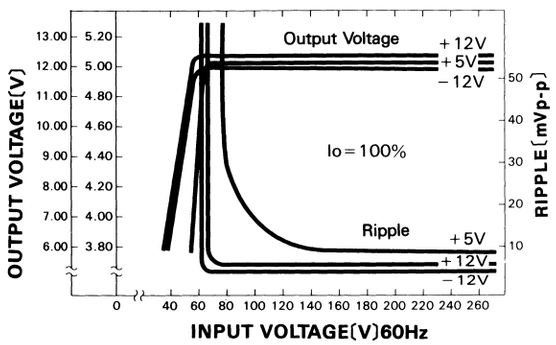
※Weight: 250g or less.
※Tolerance: ±1
※Dimensions in mm.
※Mounting torque : 0.49N·m (5.0kgf·cm) max

I/O Connector		Mating Connector	Terminal
CN1	10-31-1048	10-63-3044	Chain : 08-70-1031
CN2	10-31-1068	10-63-3064	Loose : 08-70-1030

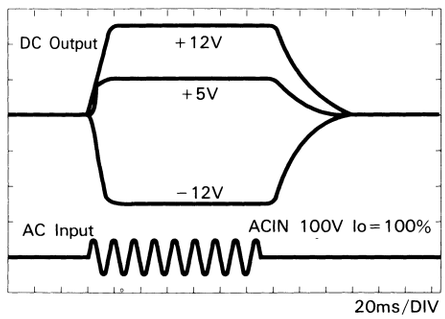
(Mfr : Molex)

Performance data

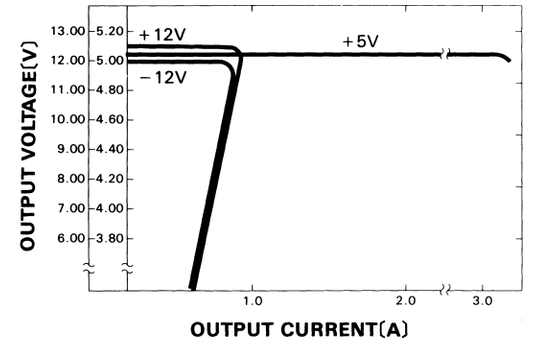
■STATIC CHARACTERISTICS (PMC15E-1)



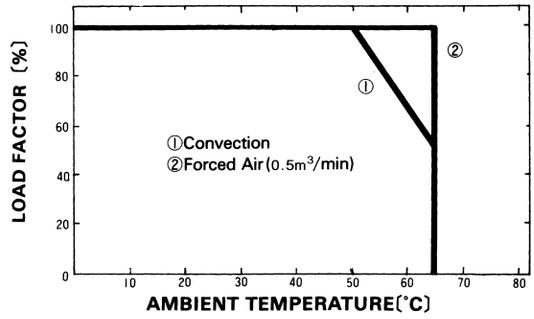
■RISE TIME & FALL TIME (PMC15E-1)



■OVERCURRENT CHARACTERISTICS (PMC15E-1)



■DERATING CURVE



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COSEL AC-DC Power Supplies Enclosed type

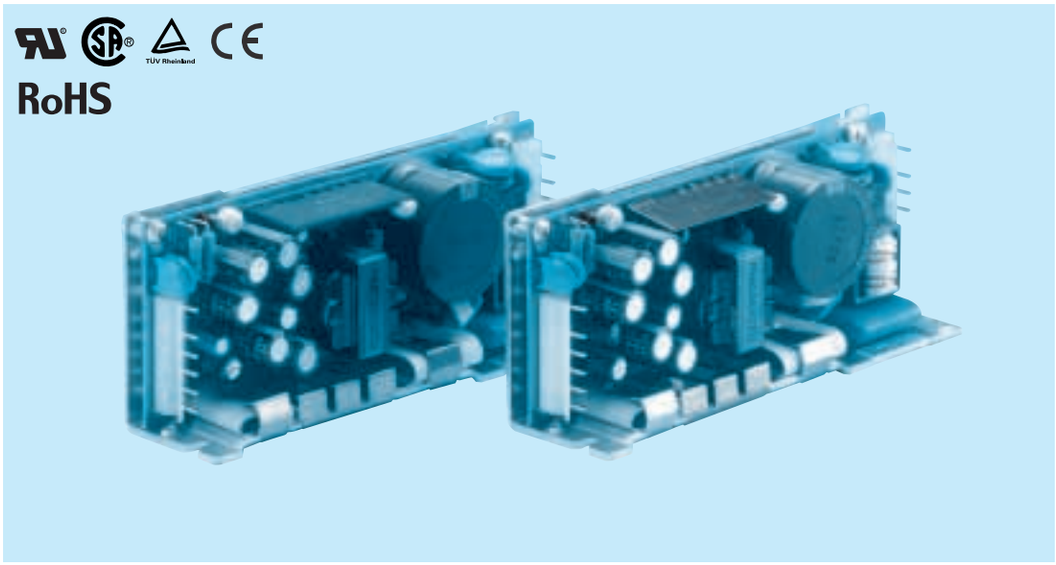
PMC30

Ordering information

PMC 30 E -1 -□

① ② ③ ④ ⑤

①Series name
②Output wattage
③UL recognized,TÜV approved,CSA certified : E
④Output voltage combination
⑤Optional ＊1
C :with Coating
G :Low leakage current



MODEL		PMC30E-1	PMC30E-2
DC OUTPUT	V1	+5V 3.0A	+5V 3.0A
	V2	+12V 1.2A	+15V 0.7A
	V3	-12V 0.3A	-15V 0.5A

SPECIFICATIONS

	MODEL		PMC30E-1			PMC30E-2		
INPUT	VOLTAGE[V]		AC85 - 264 1φ or DC110 - 370					
	CURRENT[A]	ACIN 100V	0.8typ (Io=100%) Universal Input					
		ACIN 200V	0.4typ (Io=100%) Universal Input					
	FREQUENCY[Hz]		47 - 440 or DC					
	EFFICIENCY[%]	ACIN 100V	65typ (Io=100%)					
	INRUSH CURRENT[A]	ACIN 100V	25typ (Io=100%) (At cold start)					
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15
	CURRENT[A]		3.0	1.2	0.3	3.0	0.7	0.5
	MINIMUM CURRENT[A]		0.3	0	0	0.3	0	0
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max
	LOAD REGULATION[mV]		100max	120max	150max	100max	120max	150max
	RIPPLE[mVp-p]		100max	120max	60max	100max	120max	100max
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	350max	350max	50max	350max	350max
	START-UP TIME[ms]		100max (ACIN 85V, Io=100%)					
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%)					
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed
	OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75
PROTECTION CIRCUIT	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically					
ISOLATION	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)					
	INPUT-CASE		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)					
	OUTPUT-CASE		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)					
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩmin (At Room Temperature)					
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		0 to +65℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max					
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max					
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 30minutes each along X, Y and Z axis					
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis					
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA1402C, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN					
	CONDUCTED NOISE		Complies with FCC-B					

＊1 Please contact us about safety approvals for the model with option.
＊ Series/Parallel operation with other model is not possible.

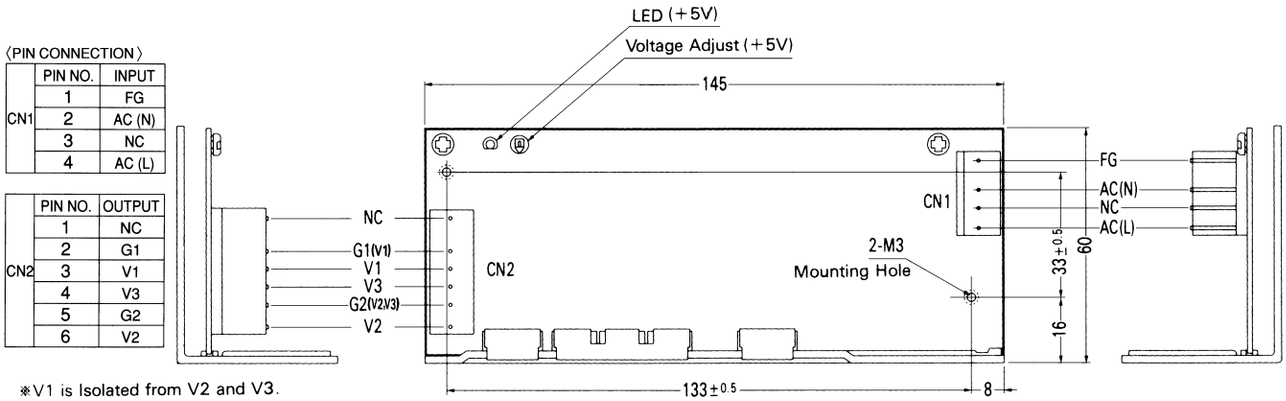
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External view

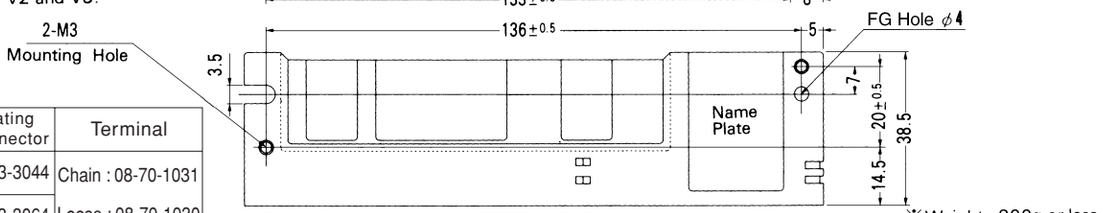
〈PIN CONNECTION〉

	PIN NO.	INPUT
CN1	1	FG
	2	AC (N)
	3	NC
	4	AC (L)

	PIN NO.	OUTPUT
CN2	1	NC
	2	G1
	3	V1
	4	V3
	5	G2
	6	V2



※V1 is Isolated from V2 and V3.



I/O Connector		Mating Connector	Terminal
CN1	10-31-1048	10-63-3044	Chain : 08-70-1031
CN2	10-31-1068	10-63-3064	Loose : 08-70-1030

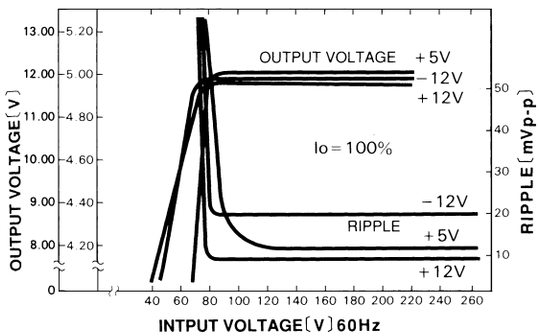
(Mfr : Molex)

※Mounting torque : 0.49N·m (5.0kgf·cm) max

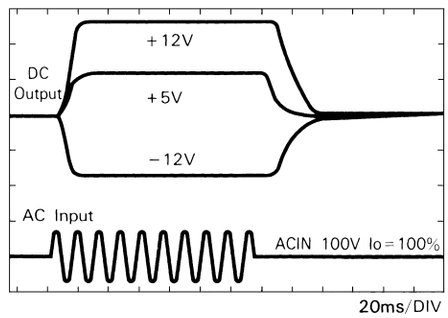
※Weight: 300g or less.
※Tolerance: ±1
※Dimensions in mm.

Performance data

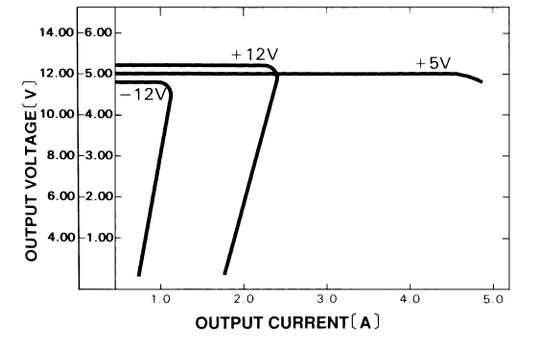
■STATIC CHARACTERISTICS (PMC30E-1)



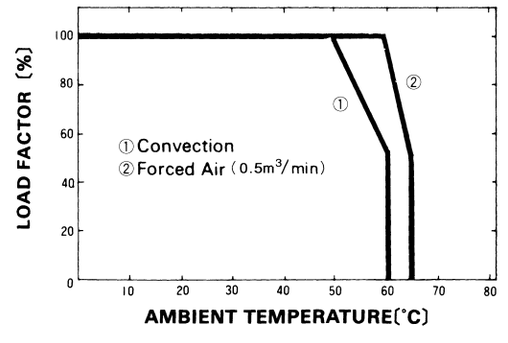
■RISE TIME & FALL TIME (PMC30E-1)



■OVERCURRENT CHARACTERISTICS (PMC30E-1)



■DERATING CURVE



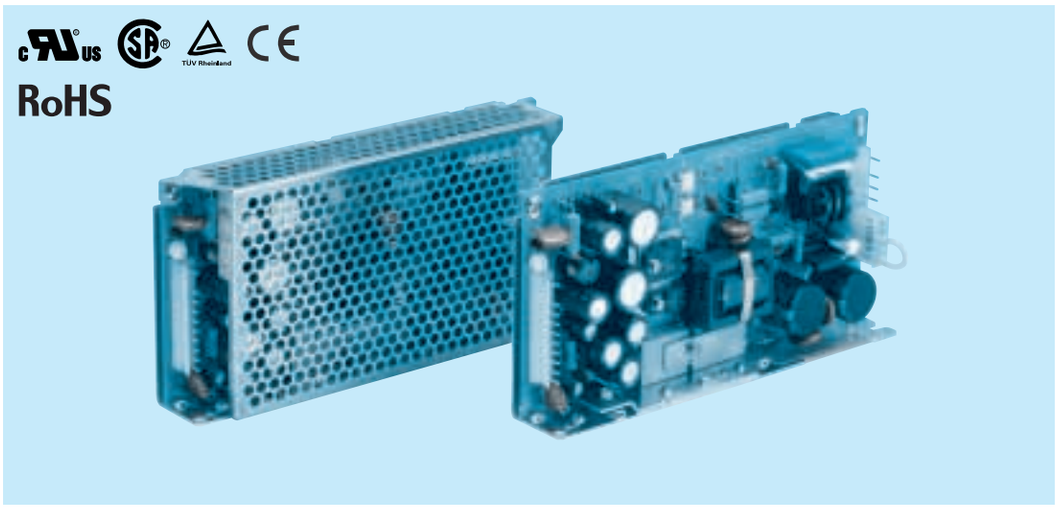
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COSEL AC-DC Power Supplies Enclosed type

PMC50

Ordering information

PMC 50 E -1 -XULA -□
① ② ③ ④ ⑤



①Series name
②Output wattage
③UL recognized,TÜV approved,CSA certified : E
④Output voltage combination
⑤Optional ＊1
C :with Coating
N :with Cover

MODEL		PMC50E-1-XULA	PMC50E-2-XULA	PMC50E-4-XULA
DC OUTPUT	V1	+5V 5.0A	+5V 5.0A	+5V 7.0A
	V2	+12V 1.25(Peak 2.0)A	+15V 1.0A	+12V 0.7(Peak 1.5)A
	V3	-12V 0.35A	-15V 0.35A	-12V 0.2A

SPECIFICATIONS

	MODEL		PMC50E-1-XULA			PMC50E-2-XULA			PMC50E-4-XULA		
INPUT	VOLTAGE[V]		AC85 - 132 / 170 - 264 1φ (User-selectable) or DC220 - 370								
	CURRENT[A]	ACIN 100V	1.4typ (Io=100%) User-selectable								
		ACIN 200V	0.7typ (Io=100%) User-selectable								
	FREQUENCY[Hz]		47 - 440								
	EFFICIENCY[%]	ACIN 100V	70typ (Io=100%)								
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%) (At cold start)								
		ACIN 200V	40typ (Io=100%) (At cold start)								
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15	+5	+12	-12
	CURRENT[A]		0.75 - 5	0-1.25(Peak2.0)	0 - 0.35	0.75 - 5	0 - 1.0	0 - 0.35	0.75 - 7	0-0.7(Peak1.5)	0 - 0.2
	MINIMUM CURRENT[A]		0.75	0	0	0.75	0	0	0.75	0	0
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max	20max	48max	48max
	LOAD REGULATION[mV]		40max	150max	150max	40max	150max	150max	40max	150max	150max
	RIPPLE[mVp-p]		80max	120max	120max	80max	120max	120max	80max	120max	120max
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	350max	350max	50max	350max	350max	50max	350max	350max
	START-UP TIME[ms]		100max (ACIN 85V, Io=100%)								
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed
	OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75	——	11.4 to 12.6	-11.4 to -12.6
PROTECTION CIRCUIT	OVERCURRENT PROTECTION		Works at over 105% of rating (V2 works at peak current)and recovers automatically								
	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating (+5V)								
ISOLATION	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩmin (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +65℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max								
	STORAGE TEMP.,HUMID.AND ALTITUDE		-25 to +75℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max								
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 30minutes each along X, Y and Z axis								
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA C22.2 No.60950-1, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN								
	CONDUCTED NOISE		Complies with FCC-B								

＊1 Please contact us about safety approvals for the model with option.
＊ Series/Parallel operation with other model is not possible.
＊ When units are operated with chassis and cover, derating is required.

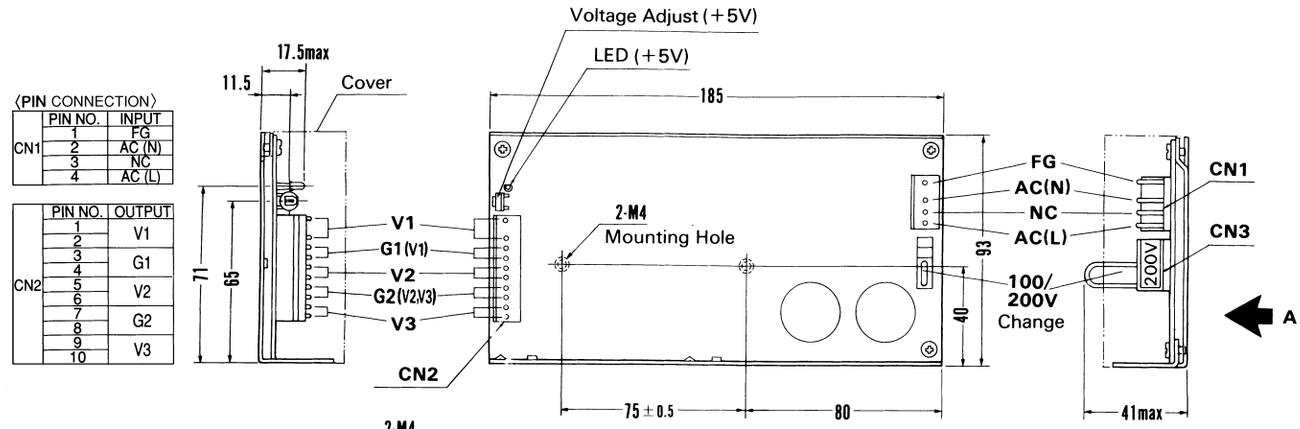
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External view

〈PIN CONNECTION〉

	PIN NO.	INPUT
CN1	1	FG
	2	AC (N)
	3	NC
	4	AC (L)

	PIN NO.	OUTPUT
CN2	1	V1
	2	
	3	G1
	4	
	5	V2
	6	
	7	G2
	8	
	9	V3
	10	



I/O Connector	Mating Connector	Terminal
CN1	10-31-1048	10-63-3044	Chain : 08-70-1031
CN2	09-65-2109	09-50-1103	Loose : 08-70-1030
CN3	09-67-4051	09-50-1051	

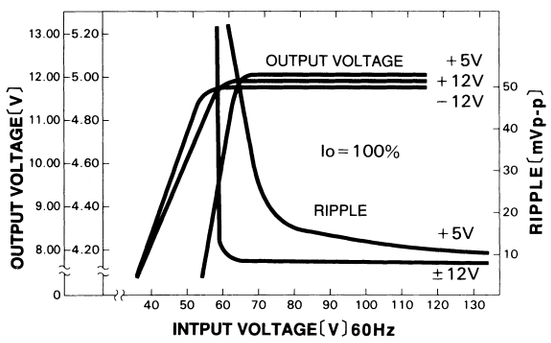
(Mfr : Molex)

※V1 is isolated from V2 & V3.

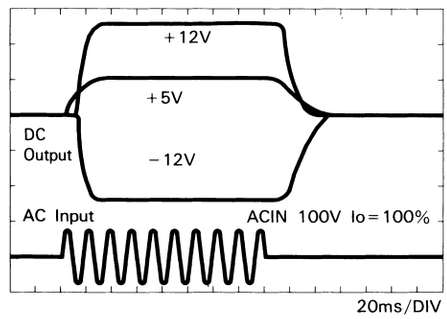
※Weight: 400g or less. ※Cover is optional
※Tolerance: ±1 ※Dimensions in mm.
※Mounting torque : 1.2N·m (12.8kgf·cm) max

Performance data

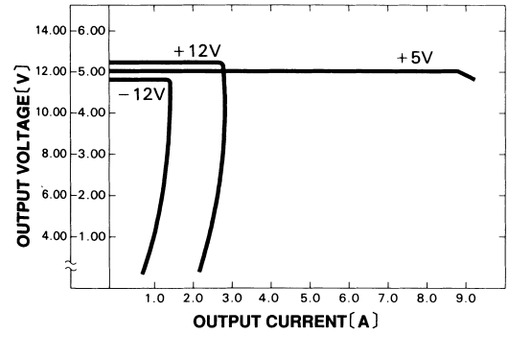
■STATIC CHARACTERISTICS (PMC50E-1-XULA)



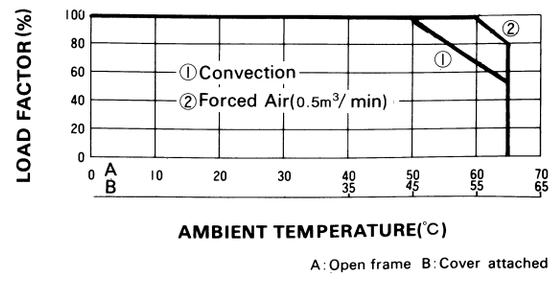
■RISE TIME & FALL TIME (PMC50E-1-XULA)



■OVERCURRENT CHARACTERISTICS (PMC50E-1-XULA)



■DERATING CURVE



A: Open frame B: Cover attached

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COSEL AC-DC Power Supplies Enclosed type

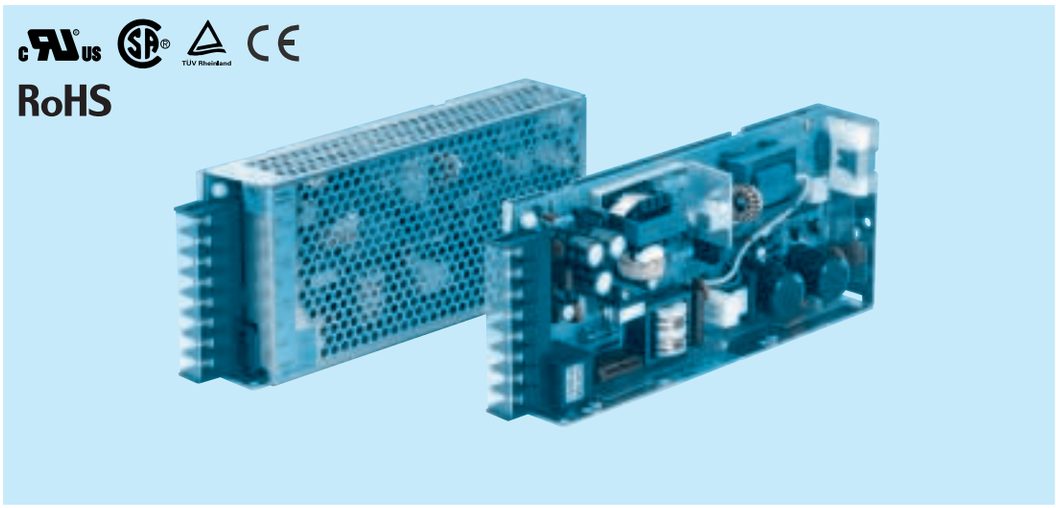
PMC75

Ordering information

PMC 75 E -1 -□

① ② ③ ④ ⑤

①Series name
②Output wattage
③UL recognized,TÜV approved,CSA certified : E
④Output voltage combination
⑤Optional ＊1
C :with Coating
G :Low leakage current
J :Connector type
N :with Cover



PMC

MODEL		PMC75E-1	PMC75E-2	PMC75E-4
DC OUTPUT	V1	+5V 8.0A	+5V 8.0A	+5V 6.0A
	V2	+12V 2.5A	+15V 1.8A	+12V 3.2A
	V3	-12V 0.5A	-15V 0.5A	-12V 0.5A

SPECIFICATIONS

	MODEL		PMC75E-1			PMC75E-2			PMC75E-4		
INPUT	VOLTAGE[V]		AC85 - 132 / 170 - 264 1φ (User-selectable) or DC220 - 370								
	CURRENT[A]	ACIN 100V	1.8typ (Io=100%) User-selectable								
		ACIN 200V	1.0typ (Io=100%) User-selectable								
	FREQUENCY[Hz]		47 - 440								
	EFFICIENCY[%]	ACIN 100V	75typ (Io=100%)								
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)								
		ACIN 200V	30typ (Io=100%)								
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15	+5	+12	-12
	CURRENT[A]		8	2.5	0.5	8	1.8	0.5	6	3.2	0.5
	MINIMUM CURRENT[A]		1.5	0	0	1.5	0	0	1.5	0	0
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max	20max	48max	48max
	LOAD REGULATION[mV]		40max	100max	150max	40max	120max	150max	40max	100max	150max
	RIPPLE[mVp-p]		80max	120max	120max	80max	120max	120max	80max	120max	120max
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	120max	350max	50max	150max	350max	50max	120max	350max
	START-UP TIME[ms]		200max (ACIN 85V, Io=100%)								
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed
	OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75	——	11.4 to 12.6	-11.4 to -12.6
PROTECTION CIRCUIT	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically								
	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating (+5V)								
ISOLATION	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩmin (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +65℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max								
	STORAGE TEMP.,HUMID.AND ALTITUDE		-25 to +75℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max								
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 30minutes each along X, Y and Z axis								
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA C22.2 No.60950-1, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN								
	CONDUCTED NOISE		Complies with FCC-B								

＊1 Please contact us about safety approvals for the model with option.
＊ Series/Parallel operation with other model is not possible.
＊ When units are operated with chassis and cover, derating is required.

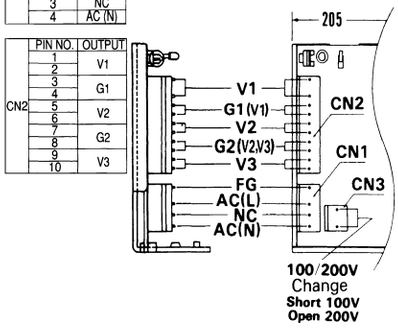
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External view

〈PIN CONNECTION〉

	PIN NO.	INPUT
CN1	1	FG
	2	AC (L)
	3	NC
	4	AC (N)

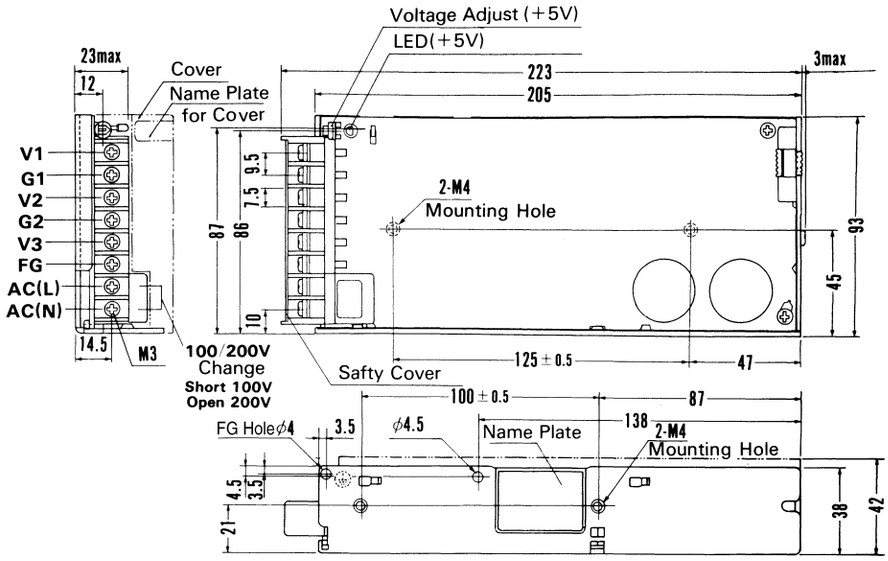
	PIN NO.	OUTPUT
CN2	1	V1
	2	
	3	G1
	4	
	5	V2
	6	
	7	G2
	8	
	9	V3
	10	



I/O Connector	Mating Connector	Terminal
CN1	10-31-1048	10-63-3044	Chain : 08-70-1031
CN2	09-65-2109	09-50-1103	Loose : 08-70-1030
CN3	10-31-1028	10-63-3024	

(Mfr : Molex)

Connector type



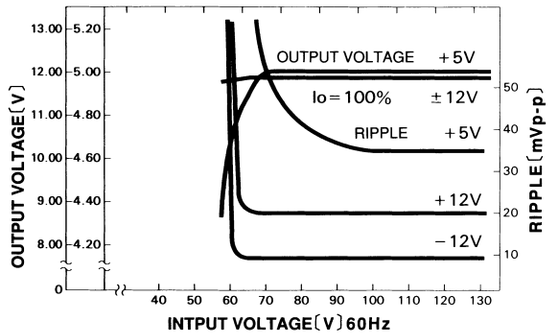
※V1 is isolated from V2 & V3.

Barrier strip type

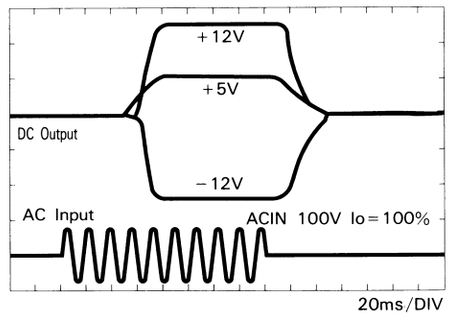
※Weight: 600g or less. ※Cover is optional
※Tolerance: ±1 ※Dimensions in mm
※Mounting torque : 1.2N•m (12.8kgf•cm) max

Performance data

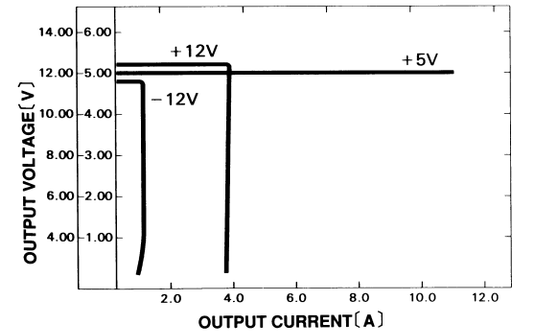
■STATIC CHARACTERISTICS (PMC75E-1)



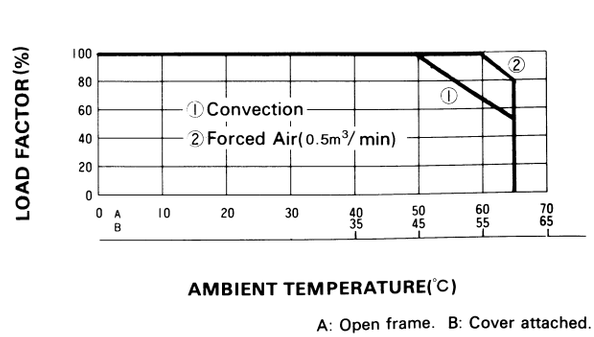
■RISE TIME & FALL TIME (PMC75E-1)



■OVERCURRENT CHARACTERISTICS (PMC75E-1)



■DERATING CURVE



A: Open frame. B: Cover attached.

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COSEL AC-DC Power Supplies Enclosed type

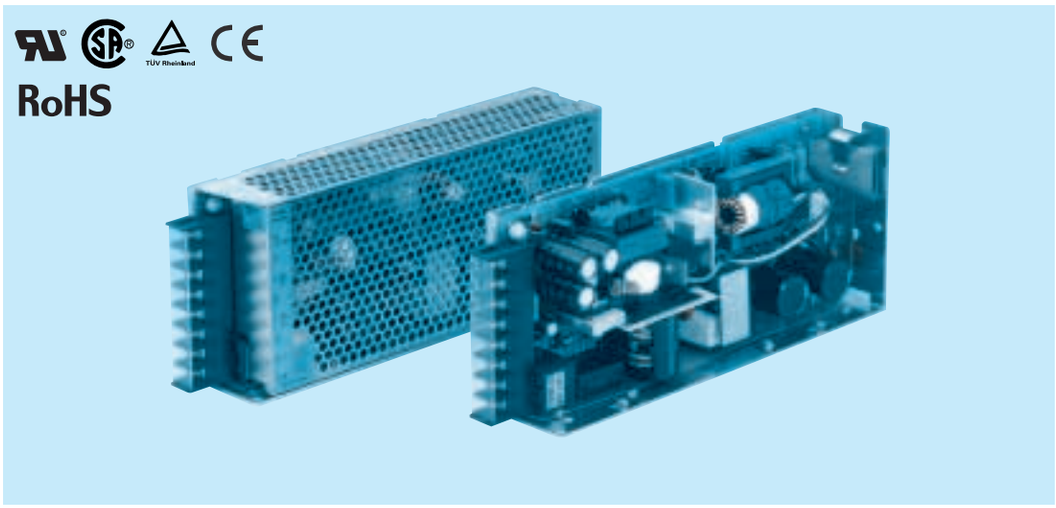
PMC100

Ordering information

PMC 100 E -1 -□

① ② ③ ④ ⑤

①Series name
②Output wattage
③UL recognized,TÜV approved,CSA certified : E
④Output voltage combination
⑤Optional ＊1
G :Low leakage current
J :Connector type
N :with Cover



MODEL		PMC100E-1	PMC100E-2	PMC100E-4
DC OUTPUT	V1	+5V 13.0A	+5V 13.0A	+5V 8.0A
	V2	+12V 2.0A	+15V 1.5A	+12V 4.0A
	V3	-12V 1.0A	-15V 1.0A	-12V 1.0A

SPECIFICATIONS

	MODEL		PMC100E-1			PMC100E-2			PMC100E-4		
INPUT	VOLTAGE[V]		AC85 - 132 / 170 - 264 1φ (User-selectable) or DC220 - 370								
	CURRENT[A]	ACIN 100V	2.4typ (Io=100%) User-selectable								
		ACIN 200V	1.4typ (Io=100%) User-selectable								
	FREQUENCY[Hz]		47 - 440								
	EFFICIENCY[%]	ACIN 100V	75typ (Io=100%)								
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)								
		ACIN 200V	30typ (Io=100%)								
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15	+5	+12	-12
	CURRENT[A]		13	2	1	13	1.5	1	8	4	1
	MINIMUM CURRENT[A]		1.5	0	0	1.5	0	0	1.5	0	0
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max	20max	48max	48max
	LOAD REGULATION[mV]		40max	100max	150max	40max	120max	150max	40max	100max	150max
	RIPPLE[mVp-p]		80max	120max	120max	80max	120max	120max	80max	120max	120max
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max	120max	150max	150max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	120max	350max	50max	150max	350max	50max	120max	350max
	START-UP TIME[ms]		200max (ACIN 85V, Io=100%)								
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)								
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed
	OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75	——	11.4 to 12.6	-11.4 to -12.6
PROTECTION CIRCUIT	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically								
	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating (+5V)								
ISOLATION	INPUT-OUTPUT		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)								
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩmin (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +65℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet)								
	STORAGE TEMP.,HUMID.AND ALTITUDE		-25 to +75℃, 20 - 95%RH (Non condensing) 9,000m (30,000feet) max								
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 30minutes each along X, Y and Z axis								
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis								
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA1402C, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN								
	CONDUCTED NOISE		Complies with FCC-B								

＊1 Please contact us about safety approvals for the model with option.
＊ Series/Parallel operation with other model is not possible.
＊ When units are operated with chassis and cover, derating is required.

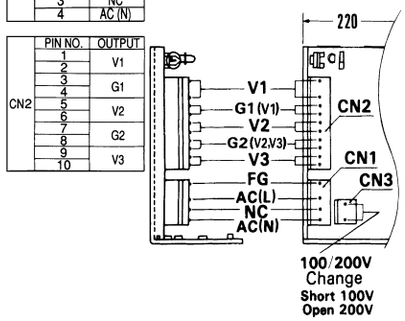
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External view

〈PIN CONNECTION〉

	PIN NO.	INPUT
CN1	1	FG
	2	AC (L)
	3	NC
	4	AC (N)

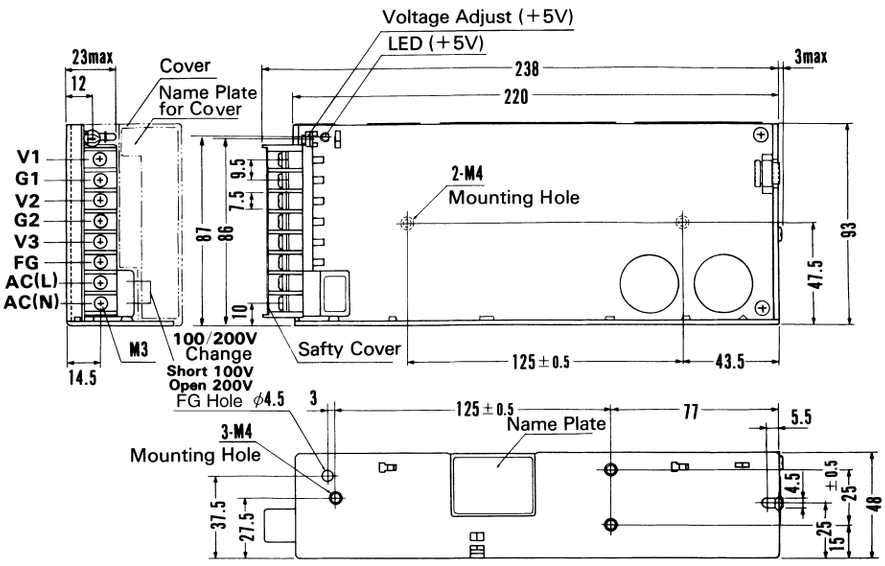
	PIN NO.	OUTPUT
CN2	1	V1
	2	
	3	G1
	4	
	5	V2
	6	
	7	G2
	8	
	9	V3
	10	



I/O Connector		Mating Connector	Terminal
CN1	10-31-1048	10-63-3044	Chain : 08-70-1031
CN2	09-65-2109	09-50-1103	Loose : 08-70-1030
CN3	10-31-1028	10-63-3024	

(Mfr : Molex)

Connector type



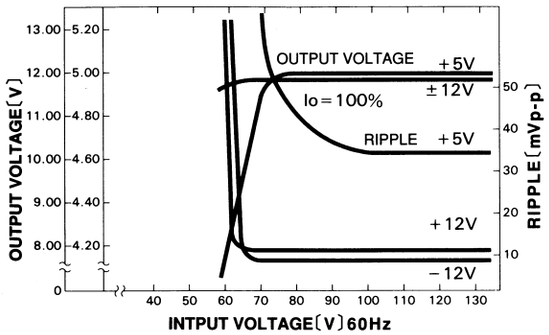
Barrier strip type

※V1 is isolated from V2 & V3.

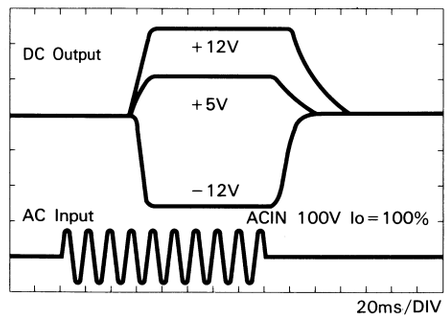
※Weight: 750g or less. ※Cover is optional
※Tolerance: ±1 ※Dimensions in mm.
※Mounting torque : 1.2N·m (12.8kgf·cm) max

Performance data

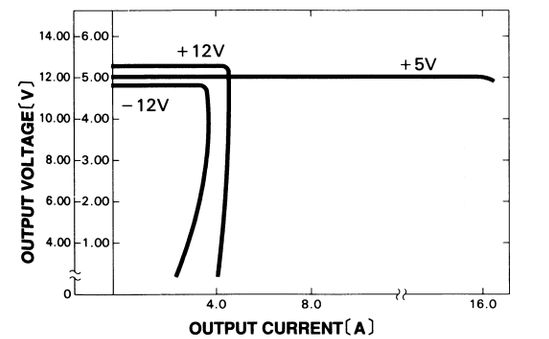
■STATIC CHARACTERISTICS (PMC100E-1)



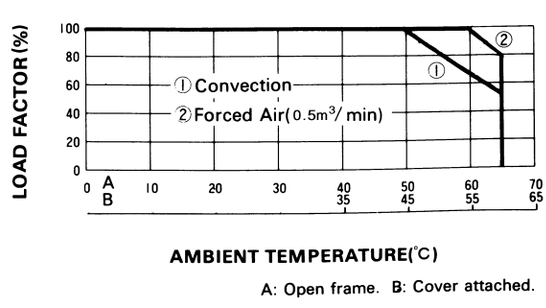
■RISE TIME & FALL TIME (PMC100E-1)



■OVERCURRENT CHARACTERISTICS (PMC100E-1)



■DERATING CURVE



A: Open frame. B: Cover attached.

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