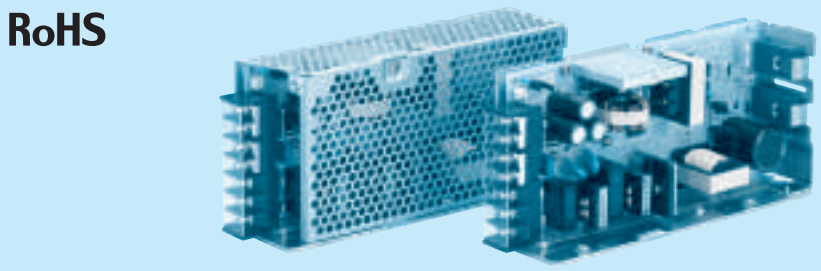
COSEL **Unit type**

PAA100F

Ordering information

PAA 100 F -5 -□

① ② ③ ④ ⑤



(LVD)

RoHS



Recommended Noise Filter
NAC-06-472

High voltage pulse noise type : NAP series
Low leakage current type : NAM series

＊The Noise Filter is recommended to connect with several devices.

①Series name
②Output wattage
③Universal input
④Output voltage
⑤Optional
C :with Coating
G :Low leakage current
N :with Cover
R :with Remote ON/OFF

MODEL	PAA100F-3	PAA100F-5	PAA100F-12	PAA100F-15	PAA100F-24	PAA100F-48
MAX OUTPUT WATTAGE[W]	60	100	102	105	108	100.8
DC OUTPUT	3V 20A	5V 20A	12V 8.5A	15V 7A	24V 4.5A	48V 2.1A

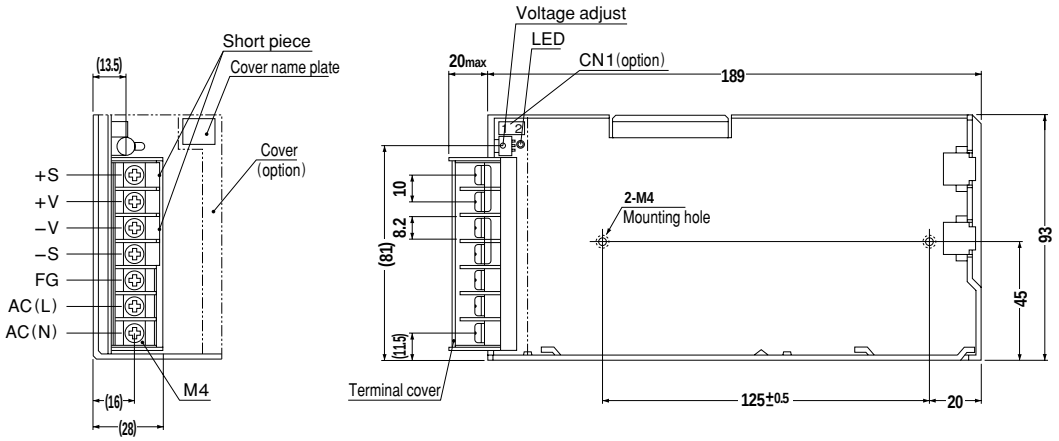
SPECIFICATIONS

	MODEL		PAA100F-3	PAA100F-5	PAA100F-12	PAA100F-15	PAA100F-24	PAA100F-48
INPUT	VOLTAGE[V]		AC85 - 264 1φ or DC120 - 340					
	CURRENT[A]	ACIN 100V	0.9typ	1.4typ				
		ACIN 200V	0.45typ	0.7typ				
	FREQUENCY[Hz]		50/60 (47 - 63)					
	EFFICIENCY[%]		65typ	74typ	76typ	77typ	79typ	79typ
	POWER FACTOR	ACIN 100V	0.99typ (Io=100%)					
		ACIN 200V	0.95typ (Io=100%)					
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%) (At cold start)					
		ACIN 200V	40typ (Io=100%) (At cold start)					
	LEAKAGE CURRENT[mA]		0.75max (60Hz, According to UL, CSA, VDE and DEN-AN)					
OUTPUT	VOLTAGE[V]		3	5	12	15	24	48
	CURRENT[A]		20	20	8.5	7	4.5	2.1
	LINE REGULATION[mV]		20max	20max	48max	60max	96max	192max
	LOAD REGULATION[mV]		40max	40max	100max	120max	150max	240max
	RIPPLE[mVp-p]	0 to +50℃ ＊1	80max	80max	120max	120max	120max	150max
		-10 - 0℃ ＊1	140max	140max	160max	160max	160max	200max
	RIPPLE NOISE[mVp-p]	0 to +50℃ ＊1	120max	120max	150max	150max	150max	400max
		-10 - 0℃ ＊1	160max	160max	180max	180max	180max	600max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	50max	120max	150max	240max	480max
		-10 to +50℃	60max	60max	150max	180max	290max	600max
	DRIFT[mV] ＊2		20max	20max	48max	60max	96max	192max
	START-UP TIME[ms]		500max (ACIN 85V, Io=100%)					
	HOLD-UP TIME[ms]		20typ (Io=100%)					
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.6	±10%				
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically					
	OVERVOLTAGE PROTECTION		4.00 - 5.25V	Works at 115 - 140% of rating				
	OPERATING INDICATION		LED (Green)					
	REMOTE SENSING		Provided					
	REMOTE ON/OFF		Optional (Refer to Instruction Manual)					
ISOLATION	INPUT-OUTPUT · RC ＊3		AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)					
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)					
	OUTPUT · RC-FG ＊3		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (At Room Temperature)					
	OUTPUT-RC ＊3		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (At Room Temperature)					
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 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, 60minutes 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, EN60950-1, EN50178, CSA C22.2 No.234 Complies with DEN-AN and IEC60950-1					
	CONDUCTED NOISE		Complies with FCC-B, CISPR22-B, EN55022-B, VCCI-B					
	HARMONIC ATTENUATOR		Complies with IEC61000-3-2					
OTHERS	CASE SIZE/WEIGHT		50×93×189mm (without terminal block) (W×H×D) /700g max (without cover)					
	COOLING METHOD		Convection					

＊1 According to 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN : RM101).
＊2 Drift is change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.
＊3 Applicable when Remote ON/OFF(optional) is added.
＊ Derating is required when operated with cover.

Distribution:
RSG Electronic Components GmbH ▪ Sprendlinger Landstr. 115 ▪ D-63069 Offenbach/Germany
Tel. +49 69 984047-0 ▪ Fax +49 69 984047-77 ▪ info@rsg-electronic.de ▪ **www.rsg-electronic.de**
Änderungen vorbehalten / subject to change without notice

External view

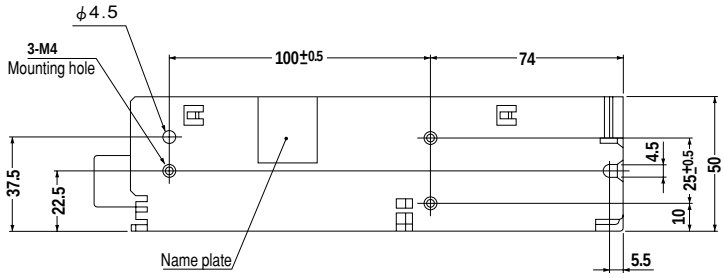


<Optional>
※CN1 (Connector for Remote ON/OFF)
Model: B2B−XH−A

Pin No.	Contents
1	+RC
2	−RC

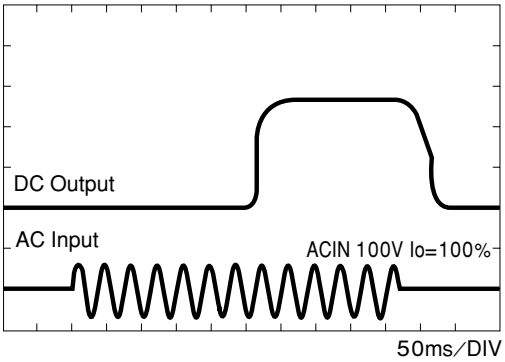
Mating Connector (Terminal)
Mfr: J.S.T.
XHP−2 (BXH−001T−P0.6
or SXH−001T−P0.6)

※Weight: 700g or less (without cover)
※Cover is optional
※Tolerance ±1
※Mounting torque: 1.2N·m (12.8kgf·cm) max

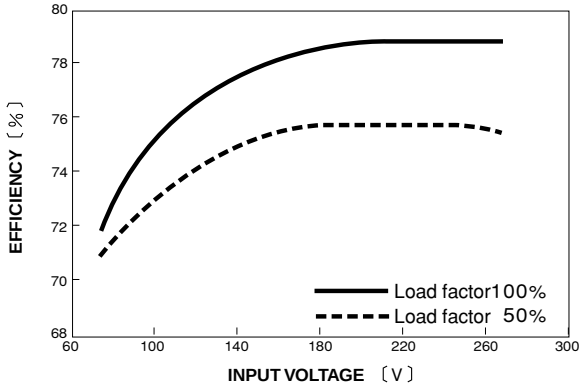


Performance data

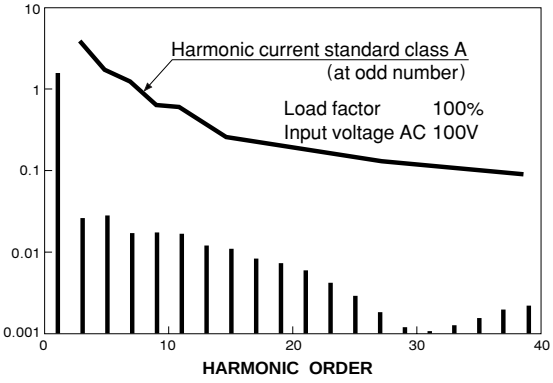
■RISE TIME & FALL TIME (PAA100F-5)



■EFFICIENCY (PAA100F-5)



■HARMOINC CURRENT (PAA100F-5)



■ HARMONIC CURRENT (PAA100F-5)

