Feature Regulated Converter	 Operating Temperature Range of -25°C to +85°C Isolated Output 3kVAC / 1 min Short Circuit and Overcurrent Protection
Descritption	The new RAC04-SC modules are available with output voltages of 3.3, 5, 9, 12, 15, and
	24V, and the input-to-output isolation is approximately 3kVAC/1min. With a standby consumption of typical 100mW, the mini power supplies are particularly suitable for

24V, and the input-to-output isolation is approximately 3kVAC/1min. With a standby consumption of typical 100mW, the mini power supplies are particularly suitable for energy-saving sleep mode and standby applications. Because of its compact design (height <17 mm), it is a versatile solution for home automation and other similar applications. Complete with an integrated input filter, the series has enhanced EMI performance and complies with EN55022, class B. The mini power supplies are also protected against short circuit with fully automatic restart after the error has been solved. The converters are EN/UL60950-1 certified and come complete with a 3 year warranty.

Input	Output	Output	Efficiency	Max.
Voltage	Voltage	Current max.	Тур.	Capacitive
(VAC)	(VDC)	(mA)	(%)	Load (1+2)
80-264	3.3	1200	67	5600µF
80-264	5	800	72	2000µF
80-264	9	444	76	1500µF
80-264	12	333	74	560µF
80-264	15	267	77	470µF
80-264	24	167	77	150µF
	Voltage (VAC) 80-264 80-264 80-264 80-264 80-264	Voltage (VAC) Voltage (VDC) 80-264 3.3 80-264 5 80-264 9 80-264 12 80-264 15	Voltage (VAC) Voltage (VDC) Current max. (mA) 80-264 3.3 1200 80-264 5 800 80-264 9 444 80-264 12 333 80-264 15 267	Voltage (VAC) Voltage (VDC) Current max. (mA) Typ. (%) 80-264 3.3 1200 67 80-264 5 800 72 80-264 9 444 76 80-264 12 333 74 80-264 15 267 77

pecifications (measured at TA	25°C, nominal input voltage, full load	l after warm-up)
Input Voltage Range (with Derating	1)	80-264VAC or 115-370VDC
Input Frequency (for AC Input)		47-63Hz
Input Current (Full Load)	115VAC / 230VAC	110mA / 72mA max.
Inrush Current	115VAC / 230VAC	30A / 60A max.
External Input Fuse Required	Recommended Value	1A - 1.5A / Slow Blow Type
No Load Power Consumption	80-264VAC	100mW typ. / 200mW max.
Output Voltage (Vout nom.)		3.3V-24V
Output Current Range		167mA - 1200mA
Output Voltage Tolerance		$\pm 2\%$ typ. / $\pm 5\%$ max.
Minimum Load		10% min.
Output Ripple & Noise ⁽³⁾ (Ful	I Load)115VAC / 230VAC @ 20MHz limite	ed 200mVp-p max.
Line Voltage Regulation	LL-HL at full Load	$\pm 0.5\%$ typ. / $\pm 1\%$ max.
Load Voltage Regulation	10%-100% Load	$\pm 1.5\%$ typ. / $\pm 5\%$ max.
Overcurrent Llmit		105% - 155%
Switching Frequency	at Full Load	40kHz typ.
Isolation Voltage	Input-Output	3kVAC / 1 minute
Leakage Current		0.85mA max.
Isolation Resistance	Input-Output	$1G \Omega$ min
Isolation Capacitance	Input-Output	1000pF typ.
Short Circuit Protection		Hiccup, Auto Restart
Over Voltage Category		OVC II
Operating Temperature Range ⁽⁴⁾	natural convection, without derating	-20°C to +60°C
	natural air convection, with derating	-25°C to +85°C
Storage Temperature Range		-40°C to +100°C
Case Material		UL94V-0 black plastic
Potting Material		Silicone
Relative Humidity		95% RH max.
Package Weight		30g typ.
Package Quantity		12 pcs



AC/DC-Converter with 3 year Warranty



4 Watt Single Output



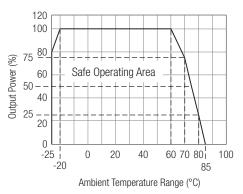
E224736

IEC-60950-1 certified UL-60950-1 certified



Derating-Graph

(Ambient Temperature)



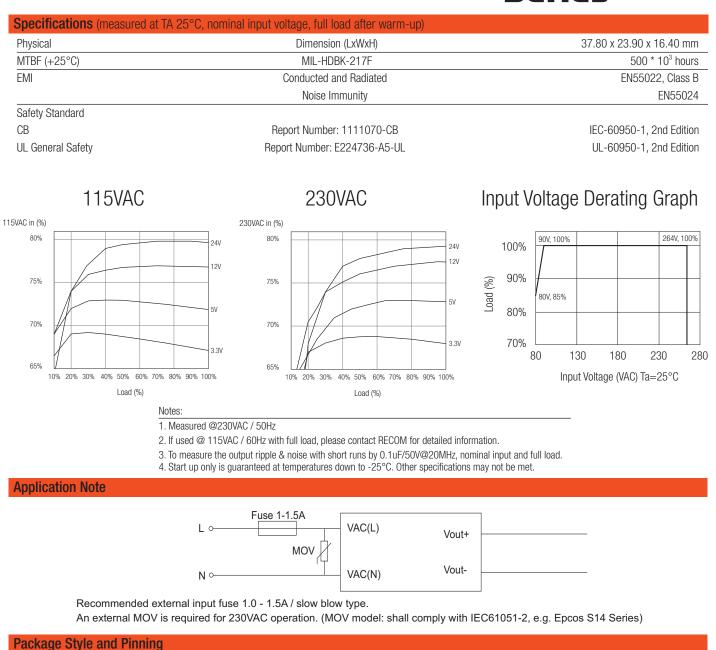
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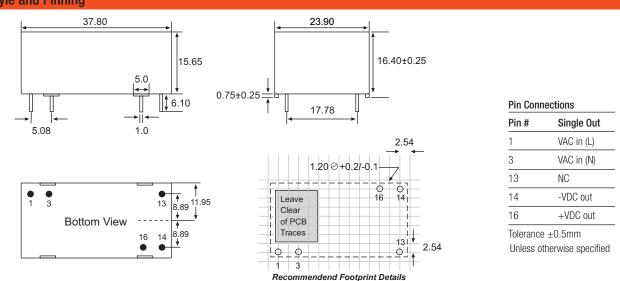
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POWERLINE AC/DC-Converter

RACO4-xxC Series





The product information and specifications are subject to change without prior notice. All products are designed for non-safety critical commercial and industrial applications. The Buyer agrees to implement safeguards that anticipate the consequences of any failures that might cause harm, loss of life and/or damage property.

