

Datasheet



RP 210 Engine Control Unit

Part#: 1006482

Rev. December 23, 2015

Interfaces

Section	Ch.	Cond.	Min	Typ	Max	Unit	Comment
Power Supply	1		8	12/24	32	VDC	
Current Consumption	-	@24.0V	0.1	0.5	1.0	mA	
Ethernet	1		-	100	-	Mbps	
Line Out	1		-	-	-	-	
USB Port	1		-	-	-	-	USB 1.1 Memory Interface

Screen

Section	Conditions	Width	Typ	Height	Unit	Comment
Size	-	-	5.7"	-	inch	
Resolution	-	320	-	240	px	
Colors	-	-	16 384	-	colors	

	Conditions	X	Typ	Y	Unit	Comment
Viewing angle	-	+67 -67	0	+62 -67	Deg.	X=horizontal, Y=vertical Contrast ratio >10:1

Size and Weight

Section	Weight	Width	Height	Depth	Unit	Comment
Size	-	161	132	37	mm	
Cutout	-	150	120	-	mm	Required depth: 70mm
Weight	400	-	-	-	g	

Environmental

Section	Condition	Min	Typ	Max	Unit	Comment
Vibration	Operational	-	0.7	-	g	IEC 60068-2-6 Fc
Dry Heat	Operational	-	-	70	C	IEC 60068-2-2 Bb/Bd
Damp Heat, cyclic	Cyclic 20-55-20 Humidity 95 % Duration	- - -	- - -	- - 48	C - hours	IEC 60068-2-30 Db
Operating Temperature	Operational	5	-	70	C	IEC 60068-2-1 Ab/Ad
Storage Temperature	Not powered	-30	-	+80	C	
Enclosure	Operational	-	IP44	-	-	Front panel
High Voltage	Not powered	-	-	548	Vrms minute	Voltage applied between <i>clamped</i> supply and shield.
Fast low-energy Transients/bursts	Operational	-	-	-	-	IEC 61000-4-4 24 VDC supply lines, 5 kHz Signal lines, 5 kHz
Slow high-energy Transients/surges	Operational	-	-	-	-	IEC 61000-4-5 24 VDC supply lines Signal lines
Electrostatic Discharge, ESD	Operational	8	-	8	kV	Air
		6	-	6	kV	Contact

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EMC

Section	Condition	Min	Typ	Max	Unit	Comment
Conducted emission	Operational	-	-	-	-	CISPR 16-1-1 / 16-1-2 / 16-2-1
Radiated emission	Operational	-	-	-	-	Quasi-peak at 3m:
		150	-	300	kHz	80-50 dB μ V/m
		0.3	-	300	MHz	50-34 dB μ V/m
		30	-	156	MHz	54 dB μ V/m
		156	-	165	MHz	24 dB μ V/m
165	-	2 000	MHz	54 dB μ V/m		
Radio frequency Immunity	Operational	-	-	10	Vrms	IEC 61000-4-6
Radiated electric Immunity	Operational	80	-	2 000	MHz	IEC 61000-4-3 10 V/m, 80 % AM, 1 kHz

Validity of Information

Data valid at revision date. Auto-Maskin reserves the right to make improvements and changes of specification at any time.

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