

# Datasheet



## LSU 408 Load Sharing and Synchronising Unit

Part#: 1101313

Rev. July 2013

### Interfaces

Section	Terminal	Cond.	Min	Typ	Max	Unit	Comment
Power Supply	K2-K3		9	12/24	40	V <sub>DC</sub>	
Power Consumption	-	9-40V	-	10	-	W	
Switch Input	J1-J15	Disc.=low 0V=high	-	0	-	V <sub>DC</sub>	Int. 10kΩ pull-up
Current Input	D1-D7 L1-L7		1	-	5	A	Maximum ratio on ext. transformers is 3250 (3250:1 or 16250:5).
Voltage Input	B1-B7	50-60Hz	100	-	480	V <sub>AC</sub>	Must be externally protected with 100mA/600V fuses
Analog Input	G1-G3	±20mA	0	-	20	mA	±10V (20kΩ input) or ±20mA (50Ω input)
		±10V	0	-	10	V	
Pickup Input	G7-G8	0-40V <sub>AC</sub>	50	-	10 000	Hz	
Relay Output	A1-A2		-	-	5A	A	Potential free, common on A3
Digital Output	C1-C5		-	-	350	mA	C5 can be used as watchdog
Speed Out	G9-G11		-10	-	10	V	
	K4		-	500	-	Hz	PWM output
Parallel Lines			-	5	-	V	Isolated 5V (10kΩ) load sharing and power set level (kW only).
CAN	Com 1-2		-	250	-	kbps	Com 1, Isolated CAN protocol, Com 2, CAN Open
Ethernet, Modbus TCP	Com 4		-	100	-	Mbps	
Modbus RTU	Com 5		480	9600	19200	baud	
USB Port	Com 3		-	-	-	-	Only for production use
Memory slot	Com 6		-	-	-	-	SD Card

### Size and Weight

Section	Weight	Width	Height	Depth	Unit	Comment
Size		248	197	57	mm	
Weight	1900	-	-	-	g	

### Environmental

Section	Condition	Min	Typ	Max	Unit	Comment
Heat	Operational	0	-	55	C	
Damp Heat, cyclic	Humidity	5	-	95	%	
Altitude	Operational	-	-	2000	m	EN 61010-1
Storage Temperature	Not powered	-30	-	70	C	
Enclosure	Operational	-	IP20	-	-	

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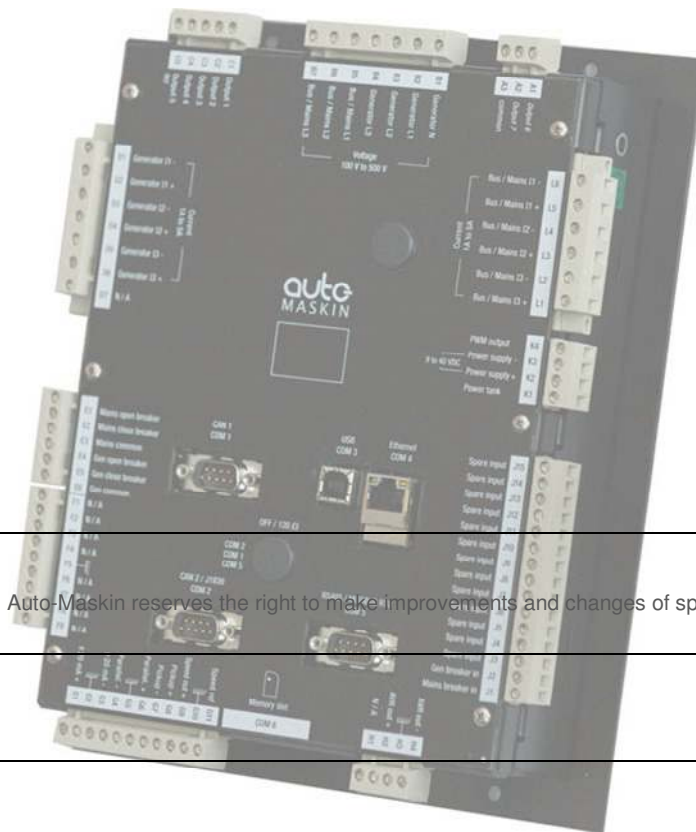
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### EMC

Section	Norm	Comment
Harmonized	EN 55099:2008,2009,2010	
	2006/95/EC	Replaced directive 73/23/EEC
Other	EN 61326-1: 2006	Industrial Location
	En 55011	
	EN 61000-3-2	
	EN 61000-3-3	



#### Validity of Information

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

Created by:

Christian Horn, Automation Dept.

Checked by:

, Automation Dept.