



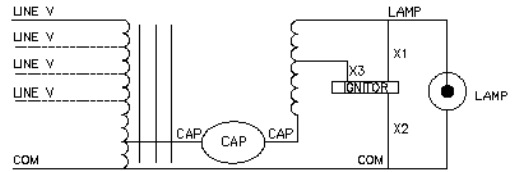
HOWARD INDUSTRIES, INC.  
Magnetic Ballast Products Division

Model: **S0400-71C-211**  
Standard High Pressure Sodium

400 Watts S-51  
60 Hz CWA

<b>Input Volts</b>		120	208	240	277
<b>Circuit Type</b>	CWA				
<b>Power Factor</b>	.99				
<b>Regulation</b>					
Line Volts	± 10 %				
Lamp Watts	Within Trapezoid				
<b>Line Current (Amps)</b>					
Operating		3.7	2.17	1.86	1.63
Open Circuit		1.68	1.00	0.85	0.76
Starting		3.16	1.83	1.57	1.37
Recommended Fuse		15	8	8	5
<b>UL Temperature Ratings</b>					
Insulation Class	H (180°C)				
Coil Temperature Code		D	A	B	B
Benchtop Coil Rise Primary		89	70	75	78
Benchtop Coil Rise Secondary		82	-	-	-
<b>Input Watts</b>		463	463	463	463
<b>NOM Open Circuit Volts</b>	190				
<b>Current Crest Factor</b>	1.63				
<b>Input Voltage at Lamp Dropout</b>		90	156	202	208
<b>Min Ambient Starting Temp.</b>	-40°F -40°C				
<b>High Potential Test (Volts)</b>					
1 Minute	1650				
1 Second	2000				
<b>Open Circuit Voltage Test (Volts)</b>					
Open Circuit Voltage	170 - 210				
Input Current	min	1.20	.75	0.60	0.50
	max	2.00	1.25	1.00	0.90
<b>Short Circuit Current Test (Amps)</b>					
Secondary Current	6.0 - 7.3				
Input Current	min	2.30	1.35	1.15	1.00
	max	3.95	2.30	1.95	1.70
<b>Core and Coil Specifications</b>					
Dimension A"	2.28				
Dimension B"	4.23				
Weight (lbs.)	13.2				
Lead Lengths (in)	12				
<b>Capacitor Specifications</b>					
Microfarads	55				
Volts (min.)	240				
	<b>Oval OIL Filled</b>	<b>DRY Film</b>			
Case Size (in.)	1.75	1.8			
Height (in.)	3.87	4.21			
Temp Rating °C	90	100			
<b>Starter Specifications</b>					
Model Number	ST2000				
	BTL	15			
Temp Rating °C	105				

Wiring Diagram Number 1091-912000-003



- Outside Dimensions Drawing 1080-046453-000
- ISO-View of Core Coil 1091-912002-002
- 1091-912002-009
- Oil Capacitor Can Drawing 1011-007500-003
- Dry Capacitor Can Drawing 1012-007500-001
- Starter Case Drawing 1090-912001-001



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Test Ref.: 1023

Specifications subject to change without notice.

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