



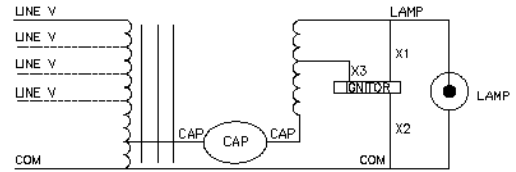
HOWARD INDUSTRIES, INC.
Magnetic Ballast Products Division

Model: S0250-71C-211
Standard High Pressure Sodium

250 Watts S-50
60 Hz CWA

Input Volts		120	208	240	277
Circuit Type	CWA				
Power Factor	0.97				
Regulation					
Line Volts	±10%				
Lamp Watts	Within Trapezoid				
Line Current (Amps)					
Operating		2.49	1.43	1.24	1.09
Open Circuit		1.23	0.70	0.63	0.55
Starting		1.82	1.06	0.92	0.78
Recommended Fuse					
UL Temperature Ratings					
Insulation Class	H(180°C)				
Coil Temperature Code	A	A	A	A	A
Benchtop Coil Rise Primary	51	55	55	59	
Benchtop Coil Rise Secondary	51	55	67	67	
Input Watts		295	295	295	295
NOM Open Circuit Volts	183				
Current Crest Factor	1.60				
Input Voltage at Lamp Dropout		90	156	180	208
Min Ambient Starting Temp.	-40°F -40°C				
High Potential Test (Volts)					
1 Minute	1554				
1 Second	2000				
Open Circuit Voltage Test (Volts)					
Open Circuit Voltage	165 - 205				
Input Current	min	0.90	0.50	0.45	0.40
	max	1.55	0.90	0.80	0.70
Short Circuit Current Test (Amps)					
Secondary Current	3.6 - 4.5				
Input Current	min	1.10	0.65	0.55	0.45
	max	1.95	1.15	1.00	0.85
Core and Coil Specifications					
Dimension A"	1.80				
Dimension B"	3.73				
Weight (lbs.)	10.6				
Lead Lengths (in)	12				
Capacitor Specifications					
Microfarads	35				
Volts (min.)	240				
	Oval OIL Filled	DRY Film			
Case Size (in.)	1.75	1.8			
Height (in.)	3.87	4.7			
Temp Rating °C	90	100			
Starter Specifications					
Model Number	ST2000				
	BTL	20			
Temp Rating °C	105				

Wiring Diagram Number 1091-912000-003



- Outside Dimensions Drawing 1080-046455-000
- 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 1091-912001-001



Rev. Date:

Test Ref.:

Specifications subject to change without notice.

Howard Industries, Inc. Ballast Products Division P.O. Box 1590 Laurel, MS 39441
Phone: 1-800-956-3456 Fax: (601) 422-1652 www.howard-ballast.com