



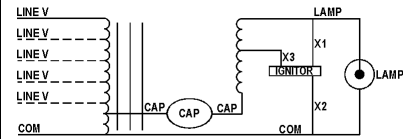
HOWARD INDUSTRIES, INC.
Magnetic Ballast Products Division

Model: S0250-81C-211
Standard High Pressure Sodium

250 Watts S50
60 Hz CWA

Input Volts		120	208	240	277	480
Circuit Type	CWA					
Power Factor	0.98					
Regulation						
Line Volts	± 10 %					
Lamp Watts	Within Trapezoid					
Line Current (Amps)						
Operating		2.55	1.55	1.30	1.10	0.65
Open Circuit		1.27	0.86	0.64	0.53	0.32
Starting		2.17	1.25	1.09	0.94	0.55
Recommended Fuse		8	5	4	3	2
UL Temperature Ratings						
Insulation Class	H (180°C)					
Coil Temperature Code		A	B	A	A	A
Benchtop Coil Rise Primary		73	77	72	71	70
Benchtop Coil Rise Secondary		-	70	-	-	71
Input Watts		300	300	301	301	301
NOM Open Circuit Volts	194					
Current Crest Factor	1.64					
Input Voltage at Lamp Dropout		63	104	120	138	265
Min Ambient Starting Temp.	-40°F -40°C					
High Potential Test (Volts)						
1 Minute	2000					
1 Second	2400					
Open Circuit Voltage Test (Volts)						
Open Circuit Voltage	175 - 215					
Input Current	min	0.95	0.65	0.45	0.40	0.20
	max	1.55	1.10	0.80	0.65	0.40
Short Circuit Current Test (Amps)						
Secondary Current	3.8 - 4.7					
Input Current	min	1.50	0.85	0.75	0.65	0.35
	max	2.55	1.40	1.30	1.10	0.65
Core and Coil Specifications						
Dimension A"	2.00					
Dimension B"	3.85					
Weight (lbs.)	11.7					
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
1091-912000-018



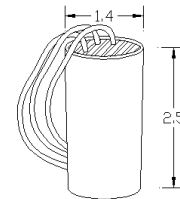
Outside Dimensions Drawing
1080-046585-002

ISO-View of Core Coil
1091-912002-002

Oil Capacitor Can Drawing
1011-007500-003

Dry Capacitor Can Drawing
1012-007500-001

Starter Case Drawing 1091-912001-001



Rev. Date: NEW 5/29/03

Test Ref.: 1159

Specifications subject to change without notice.

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