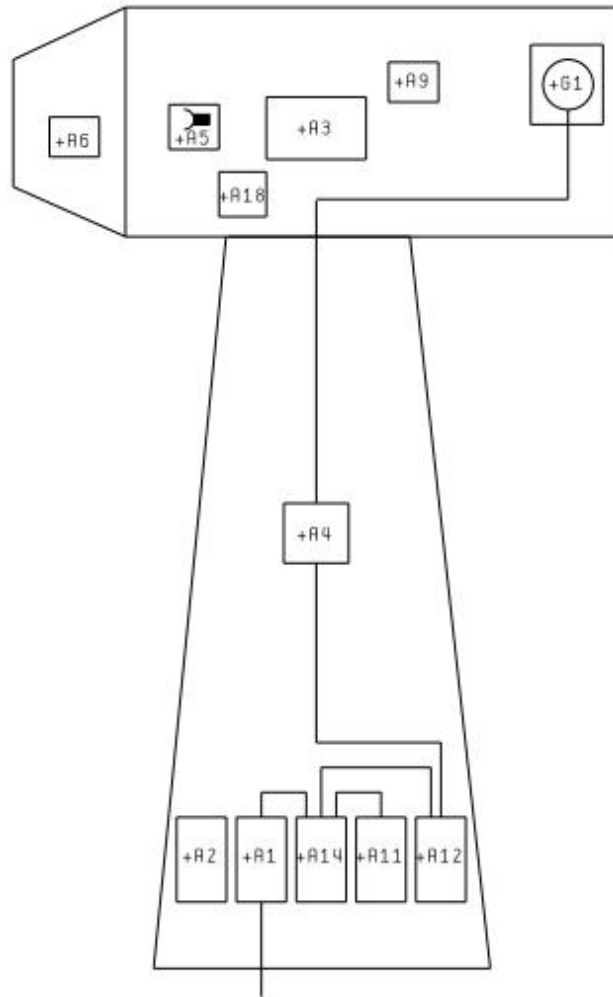




**Sistema Eléctrico**

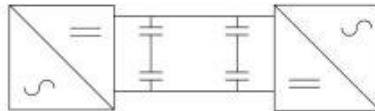
# Sistema Eléctrico



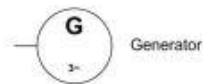
- +A1 = POWER PANEL
- +A2 = CONTROL PANEL BOTTOM
- +A3 = CONTROL PANEL NACELLE
- +A4 = CONNECTION PANEL
- +A5 = SLIP RING ASSEMBLY
- +A6 = CONTROL PANEL HUB
- +A9 = AUXILIARY PANEL NACELLE
- +A11 = FILTER PANEL
- +A12 = INVERTER BOTTOM
- +A14 = MAIN REACTOR
- +A18 = FREQUENCY CONVERTER
  
- +G1 = GENERATOR

# Sistema Eléctrico

## Declaration of symbols



Converter with DC-link



Generator



Capacitor



Reactor



Resistor, Heating element



Switch (manual)



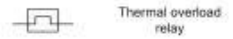
Main circuit breaker, motor protection



Mini circuit breaker (automatic fuse)



Contactor



Thermal overload relay



HPFI (earth fault) relay



Main circuit breakers with interlock



Main circuit breakers with interlock



Overvoltage protection



Relay contact



Transformer, Autotransformer



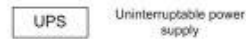
Converter



Rectifier



Power Supply



Uninterruptible power supply



Timer relay



Terminals, CEE-socket, socket



Slip ring assembly



Current transformer



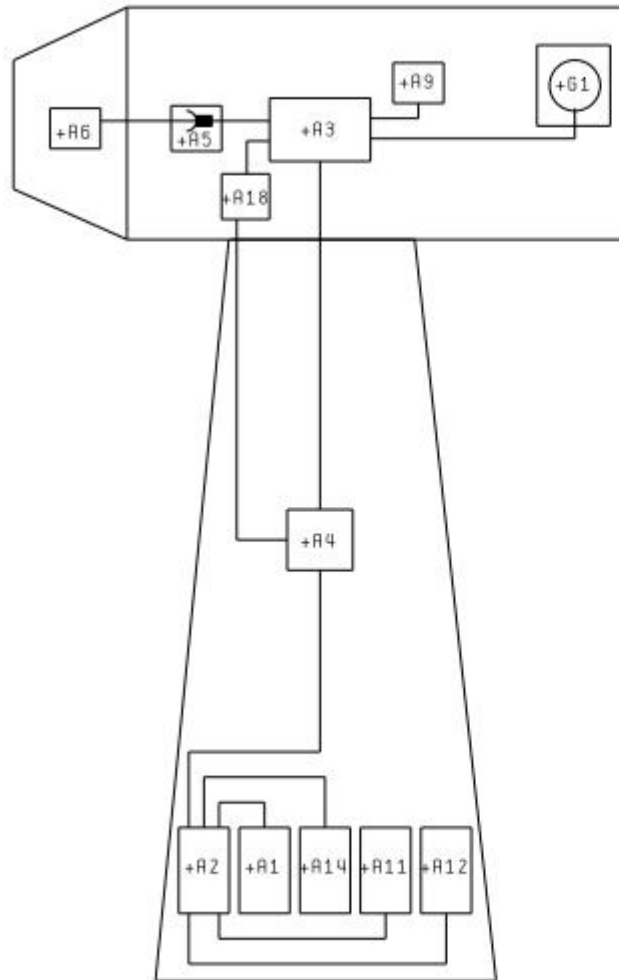
# Sistema Eléctrico

## 230VAC SYSTEMS

230V SYSTEM IS SEPARATED INTO CONTROL VOLTAGE AND OTHER SUPPLIES.  
THE CONTROL VOLTAGE IS AGAIN SEPARATED INTO DIFFERENT FUNCTIONS.

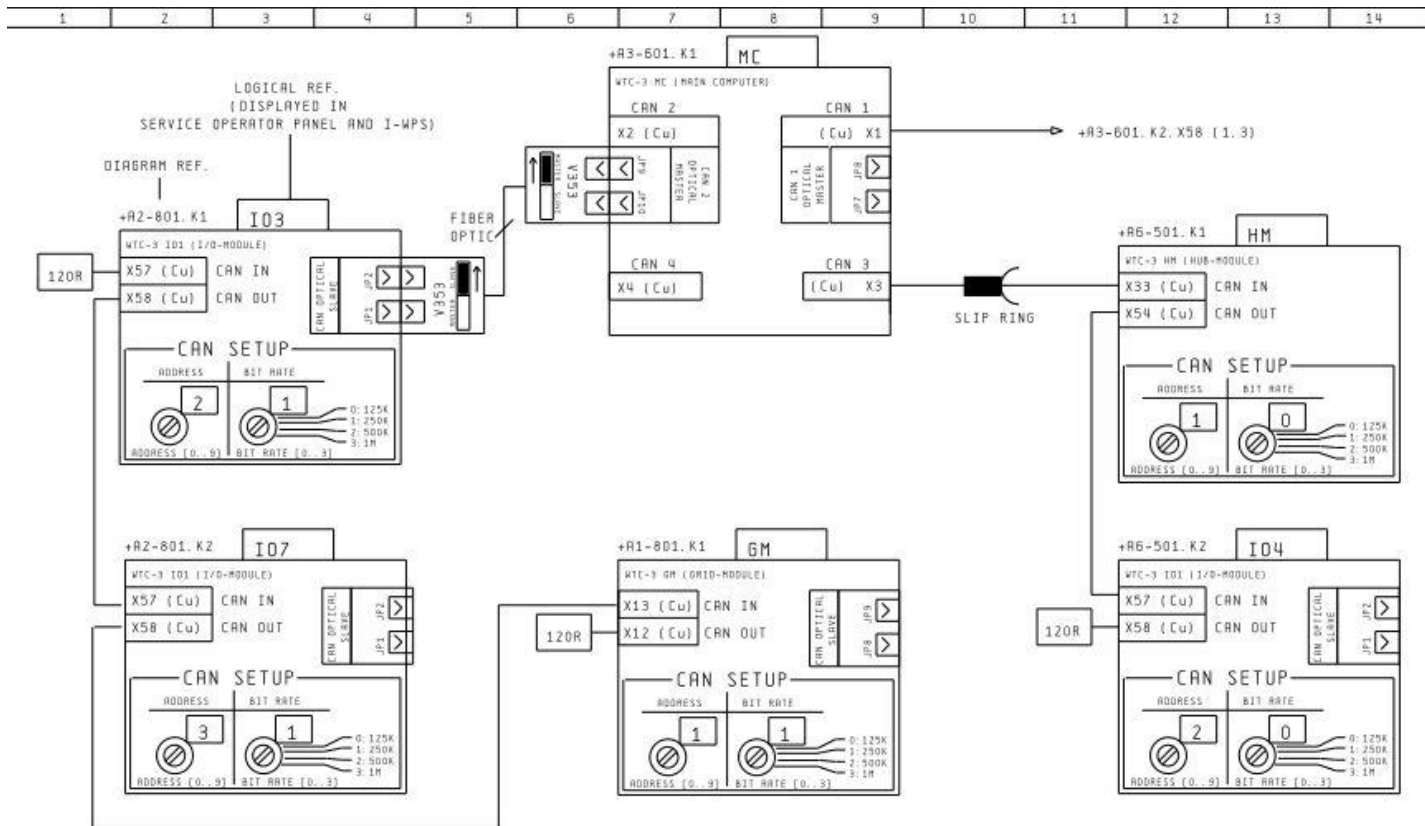
WIRE NAME	FUNCTION
2L4	SUPPLY WITHOUT EMERGENCY STOP AND WITHOUT BACKUP.
5L4	SUPPLY WITHOUT EMERGENCY STOP AND WITHOUT BACKUP, IS DISCONNECTED WHEN A SMOKE ALARM OCCURS.
2L6	SUPPLY WITHOUT EMERGENCY STOP AND WITH SHORT BACKUP.
3L6	SUPPLY WITH EMERGENCY STOP, WTC STOP AND SHORT BACKUP.
4L6	SUPPLY WITH EMERGENCY STOP AND SHORT BACKUP.
5L6	SUPPLY WITHOUT EMERGENCY STOP AND WITH LONG BACKUP.
2L5	SUPPLY FOR SERVICE SOCKET, WITH HPFI PROTECTION.
2L7	SUPPLY FOR LIGHT.
2L8	SUPPLY FOR DEHUMIDIFIER.
3L9	SUPPLY FOR NACELLE WITHOUT EMERGENCY STOP AND WITHOUT BACKUP, IS DISCONNECTED WHEN A SMOKE ALARM OCCURS.
2L10	SUPPLY FOR EKSTRA HEATING, WITHOUT EMERGENCY STOP AND WITHOUT BACKUP

# Sistema Eléctrico



- +A1 = POWER PANEL
- +A2 = CONTROL PANEL BOTTOM
- +A3 = CONTROL PANEL NACELLE
- +A4 = CONNECTION PANEL
- +A5 = SLIP RING ASSEMBLY
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- +A14 = MAIN REACTOR
- +A18 = FREQUENCY CONVERTER
  
- +G1 = GENERATOR

# Sistema Eléctrico



1.1



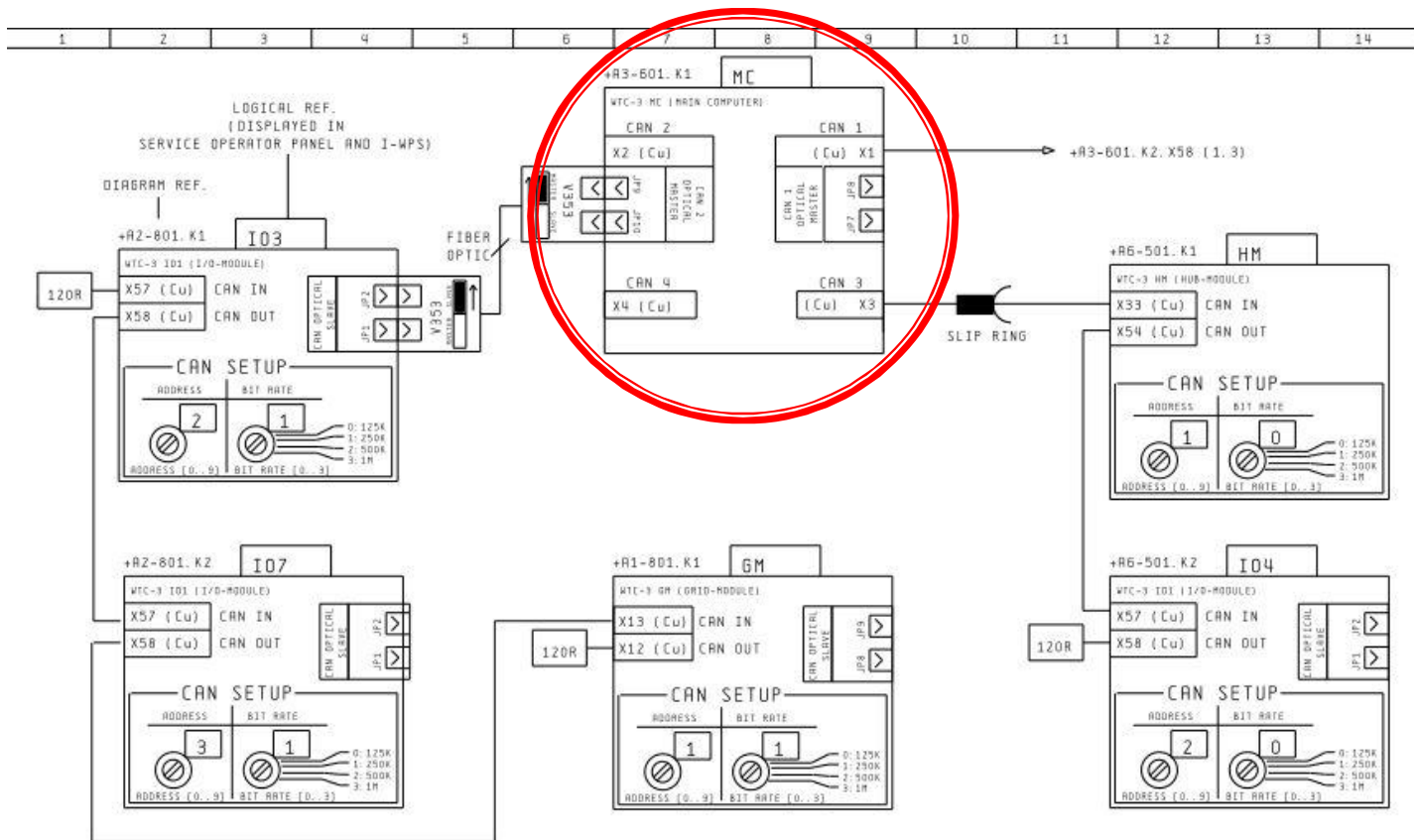
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PRN / lpe			SD577721	

Project		SWT-2. 3MW-93
WTC3	2.3MW, VS, 690V, 50Hz	
DRAFT		26-10-2007

Page Content	CAN COMMUNICATION OVERVIEW	= V302354
		+DATA
		Page no. /1. 2

1.3

# Sistema Eléctrico



1.1



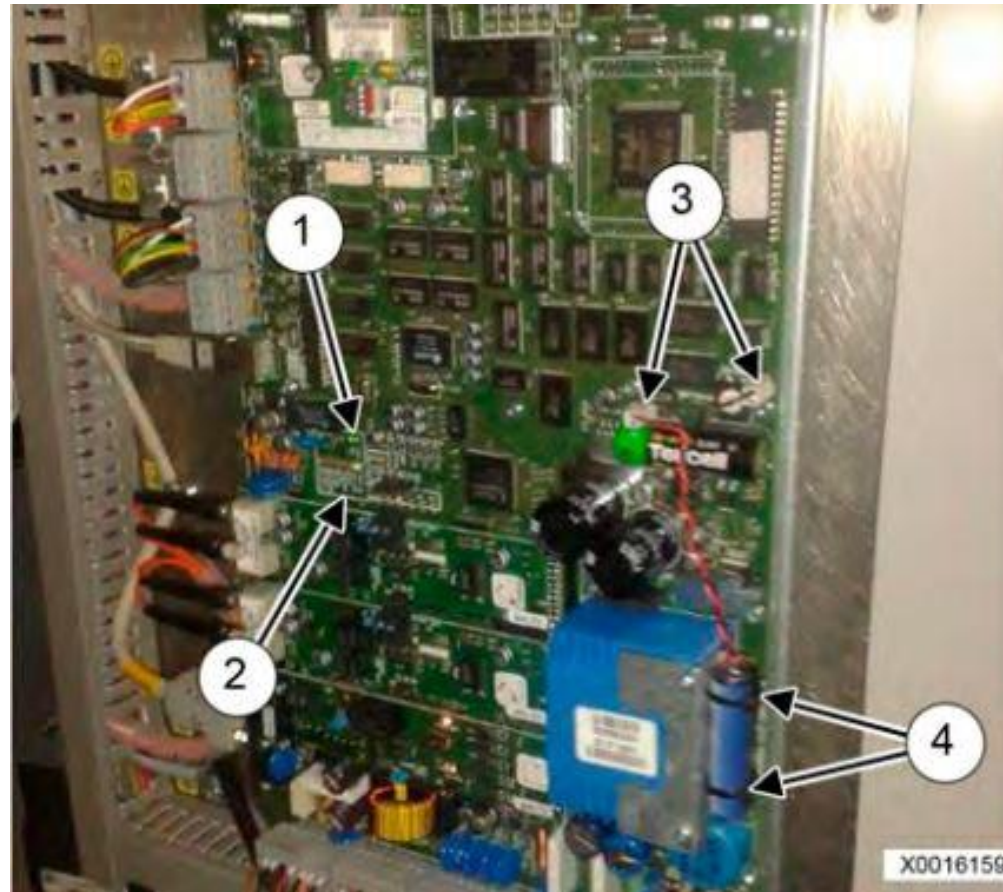
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	kh-responsible	Item-no.	SD-no.	
PAN / lpe			SD577721	

Project			
SWT-2. 3MW-93			
WTC3	2.3MW.	VS.	690V, 50Hz
DRAFT 26-10-2007			

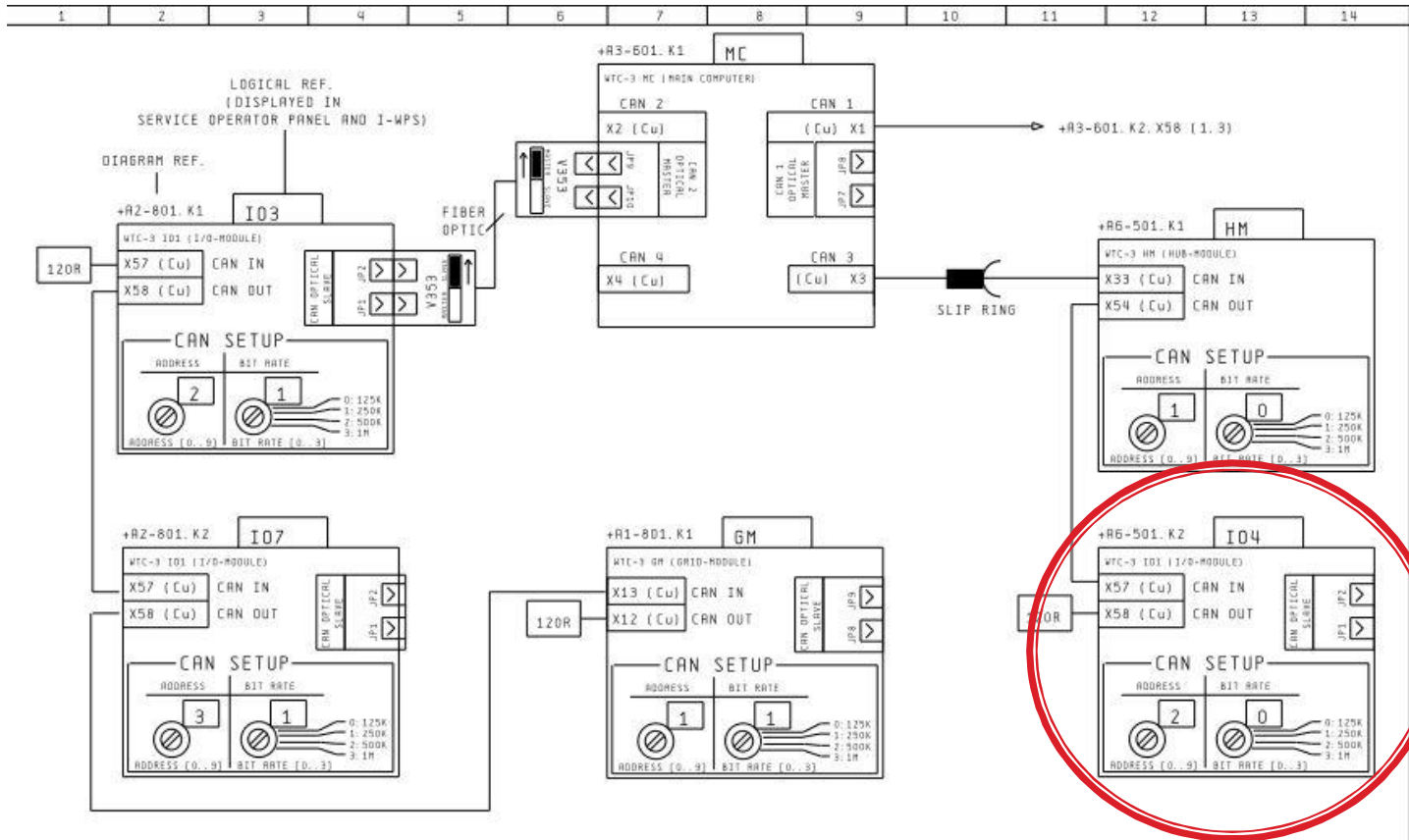
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Page no.	/1. 2

1.3

# Sistema Eléctrico



# Sistema Eléctrico



1.1



<b>SIEMENS</b>	Date	24.10.2007
	kh-responsible	
	Item-no.	
	PAN / lpe	SD577721

Project		
SWT-2. 3MW-93		
WTC3	2.3MW, VS, 690V, 50Hz	
DRAFT 26-10-2007		

Page Content	= V302354
CAN COMMUNICATION OVERVIEW:	+DATA
Page no.	/1. 2

1.3

Gracias por su atención

**SIEMENS**

