



*Power
wherever
you are*™

wiring diagram for:

Internal Diodeblock fpControl 0-250A 0-48V

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project number:

drawing number: 072462_05_00

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General notes on the wiring diagram

system indication:

=cabinet

=GEN (generator)

+E (engine)

+WD (winding)

6	7	8	9
Fischer Panda Generatoren		=GE 2	
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component name:

A = Multifunctional
B = Dissipation signals
C = Capacitors
F = Protective device
G = Winding/battery
K = Signal handling /relay
M = Motor/pump/ventilator
P = Illustration information
Q = Power contactor
R = Diode/resistor
S = Switches
T = Energy dissipation
X = Connectors/clamps
Y = Valves

legend:

external components -----
lines -----
lines n=optional -----

color code:

BK = black
BN = brown
RD = red
OR = orange
YE = yellow
GN = green
VT = violet
GY = grey
WH = white
PK = pink
BU = blue
LB = light blue
DB = dark blue

Cross reference:

line name 5.8 further on page 5 path 8

6	7	8	9
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Componentdesignation:

example: 11K1 component on page 11 path 1

11.1

page component path

NO = normally open

NC = normally closed

color definition:	application:	remark:
green/yellow	protective earth according to VDE 0100-200	
black	main circuit for AC- and converter circuits, DC power with clear identification	also AC metering voltage, starter battery
light blue	neutral conductor from main circuit	also AC metering voltage
dark blue	bus signals	CAN L, RS232-TX
red	control circuit for DC 0-12V	+5V Servo, 12V batterysystem
grey	control circuit for DC 24V	24V batterysystem
white	control circuit for DC 48V	48V batterysystem
orange	control circuit for DC >60V	HV batterysystem
brown	control circuit for DC GND	for 12V, 24V, 48V and >60V
violet	analogue measuring circuit	e.g. VDO, current transformer temp sensors
yellow	pull coil	stop solenoid ETR
green	extra voltage / bus signals	e.g. PWM-signal, CAN H, RS232-RX

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-1A3

Symboltext

fpControl MM-3ph/DC			
1	L1 (+)		
2	L2 (+)		
3	L3 (+)		
4	N (-)		
5	PE		
1	L1 (+)	/2.4	AC/DC 0-69V
2	L2 (+)		
3	L3 (+)		
4	N (-)		
1	+	/2.6	current 1
2	I		
3	-		
1	+		current 2
2	I		
3	-		
1	+		current 3
2	I		
3	-		
1	GND	/3.1	temperature 1
2	Sens		
1	GND	/3.2	temperature 2
2	Sens		
1	GND	/3.3	temperature 3
2	Sens		
1	+	/2.8	Boost
2	-		
1	+		Aux 1
2	-		
1	-		CAN
2	H		
3	L		
4	+		
RJ45	CAN		FP-CAN
RJ45	CAN		



