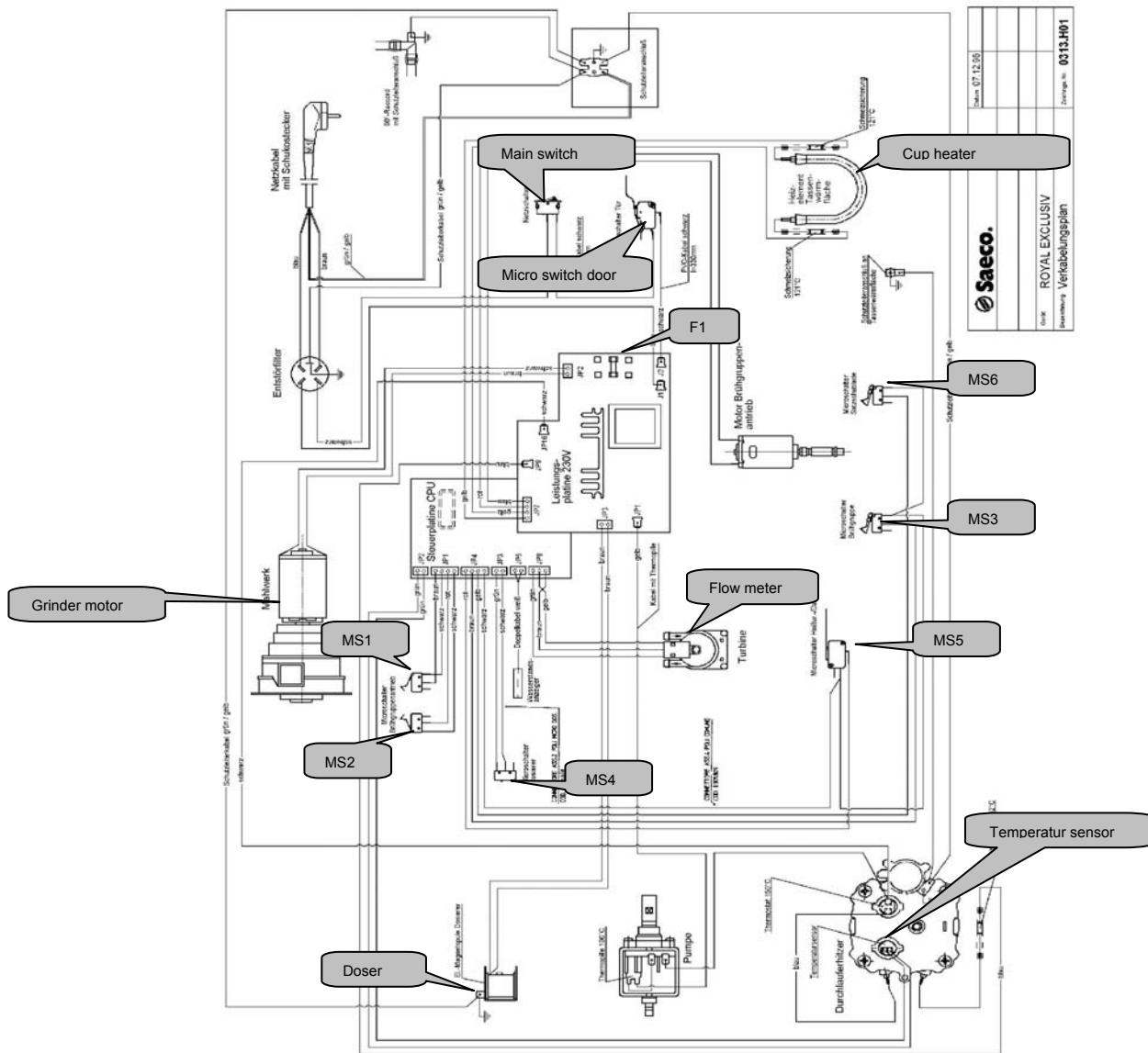


WIRING DIAGRAM WITH TENSION AND RESISTANCE VALUES
Royal Exclusiv

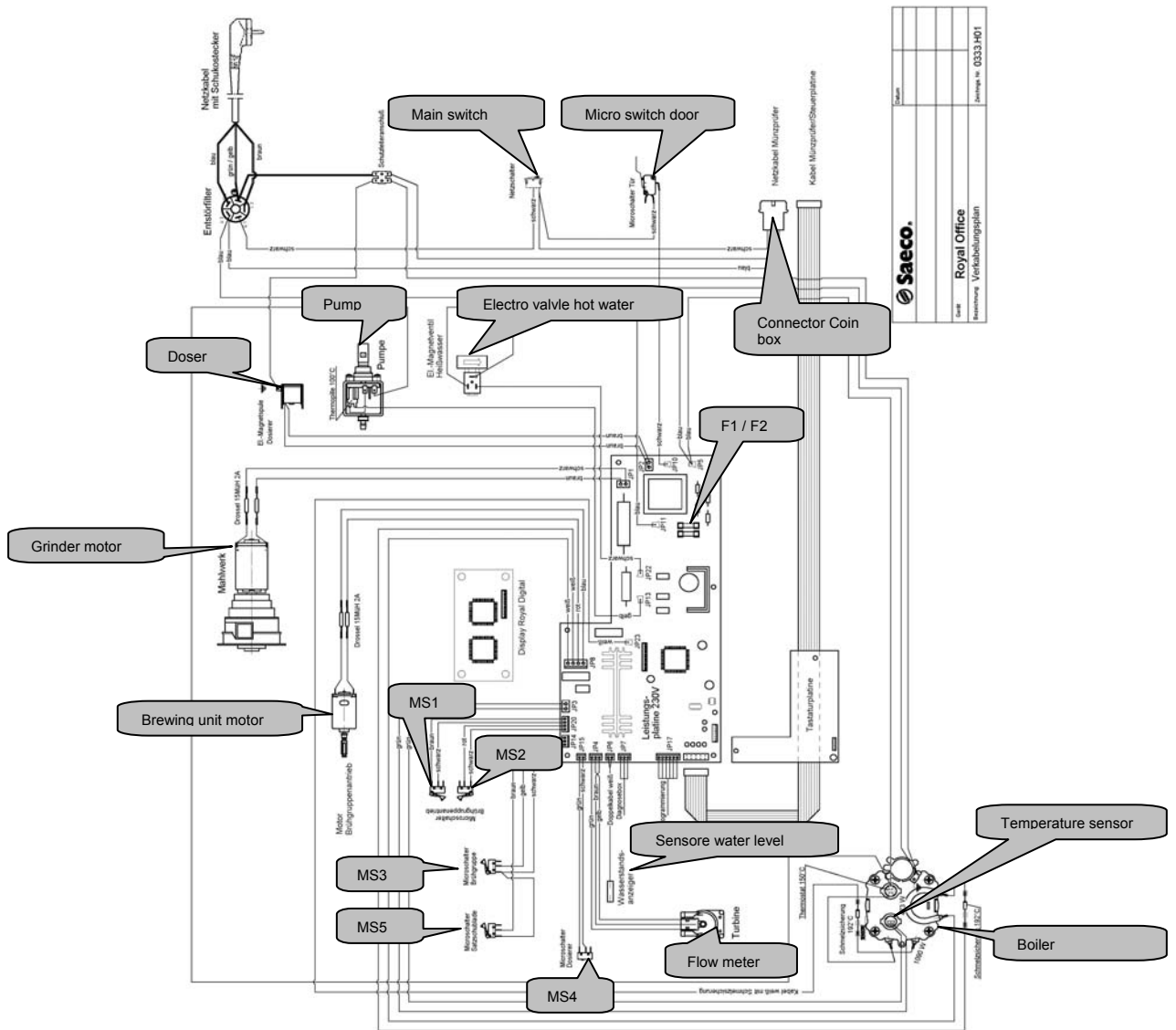
Components	Voltage / Resistance	Note
Microswitch MS1	5V =	Brewing unit HOME position
Microswitch MS2	5V =	Brewing unit WORK position
Microswitch MS3	5V =	Brewing unit
Microswitch MS4	5V =	Doser
Microswitch MS5	5V =	Hot water Steam nozzle
Microswitch MS6	5V =	Dump box
Temperature sensor	Approx. 1,9kO at 20°C	
Grinder	Approx. 190V=	Check turn direction
Cup heater	Approx. 180V= / 130 Ohm	With 2 thermofuse
Motor brewing unit	Approx. 30V= / 25 Ohm	
Pump	Approx. 190V~	Diod in Pump
Boiler	230 V~ / 50 Ohm	
Main switch	230 V~	
Microswitch door	230 V~	
Coil doser	230 V~ / 300Ohm	
Fuse F1	230 V~ / 8AT	



WIRING DIAGRAM WITH TENSION AND RESISTANCE VALUES

Royal Office

Components	Voltage / Resistance	Note
Micro switch MS1	5V =	Brewing unit HOME position
Micro switch MS2	5V =	Brewing unit WORK position
Micro switch MS3	5V =	Brewing unit
Micro switch MS4	5V =	Doser
Micro switch MS5	5V =	Dump box
Coin box	230 V~	
Temp. sensor	Approx. 1,9kΩ at 20°C	
Grinder	Approx. 190V=	Check turn direction
Pre resistance	Approx. 180V=/130 Ohm	
Brewing unit motor	Approx. 30V=/ 25 Ohm	
Pump	Approx. 190V~	Diod in Pump
Boiler	230 V~ / 50 Ohm	
Main switch	230 V~	
Micro switch door	230 V~	
Coil doser	230 V~ / 300Ohm	
Fuse F1	230 V~ / 8AT	Protection components
Fuse F2	230 V~ / 315mAT	Protection CPU



Saeco

Royal Office
Baureihe: Verfeinungsplan
Date: _____
Version: 0333.H01

WIRING DIAGRAM WITH TENSION AND RESISTANCE VALUES
Royal Professional mit® Rapid Steam

Components	Voltage / Resistance	Note
Micro switch MS1	5V =	Brewing unit HOME position
Micro switch MS2	5V =	Brewing unit WORK position
Micro switch MS3	5V =	Brewing unit
Micro switch MS4	5V =	Doser
Micro switch MS5	5V =	Steam valve
Micro switch MS6	5V =	Dump box
Temperature sensor	Approx. 1,9kO at 20°C	
Grinder motor	Approx. 190V=	Check turn direction
Cup heater	Ap.180V=/130Ohm	With 2 thermofuse
Brew unit motor	App. 30V=/ 25 Ohm	
Pump	Approx. 190V~	Diod in Pump
Boiler coffee	230 V~/ 50 Ohm	
Boiler steam	230 V~/ 50 Ohm	Fore steam function
Main switch	230 V~	
Micro switch door	230 V~	
Coil doser	230 V~/ 300Ohm	

Components	Voltage / Resistance	Note
Electro valve cappuccinatore	230 V~/ 2,2 kOhm	
Electro valve hot water	230 V~/ 2,2 kOhm	
Electro valve steam	230 V~/ 1,1 kOhm	
Fuse F1	230 V~/ 32mAT	CPU
Fuse F2	230 V~/ 8AT	Steam boiler
Fuse F3	230 V~/ 8AT	Coffee boiler and components

This values are also for Royal Digital + and Royal Coffee Bar

