

Function	Actuation	Display	•				Remarks				
Error class (failure group)		In Customer Ser	vice program		At Customer		Appliance behaviour in error case	Results of internal appliance check	Measures		
		LED's	Display	LE	ΞD	Display					
		Act. Clean Sani		N/	5						
		灬 End 卍		米	岙						
		000	E:00					No error			
Interface					200		Blinking LED's at end of Flash process		Power cord of the appliance has to be disconnected (to activate on/off from main switch is not enough!)		
							Stop in current position, no function	Communication issue within electronics	> Verify D-Bus - connectors (3-pole) for electrical connection failure; > Disconnected power cord (plug out and then again plug in); > Repeat flash process; > Change Modul		
Power module		0 05	E:01			E:01	→ End of program	Pump triggering or pump switching is defect	Change power module		
			E:02			E:02	Running w/o heating	Working relay of heating is defect			
			E:03			E:03	Running w/o additional drying system.	Working relay of additional drying system is defect.			
			E:04			E:04	Running w/o heating	Safety relay of heating is defect			
			E:05			E:05	Water switch is running permanently Cancelation of program (Drain)	Impulses w/o activation Water switch triac defect			

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Function	Actuation	Display					Remarks			
Error class (failure group)		In Customer Ser	vice program		At Cus	stomer	Appliance behaviour in error case	Results of internal appliance check	Measures	
		LED's	Display	LE	ED	Display				
		Act. Clean Sani 깨 End 윤		米	岙					
Door		05.0	E:06			E:06	Stop in current position, no function	Hall-sensor defect, wire disconnected or power module defect	Power module is functional ok, if plug is disconnected and Hall-sensor is feed with supply voltage. Otherwise change Hall-sensor.	
Heating		05/05/05	E:07			E:07	Function w/o additional drying-system.	Fan defect/blocked Fanelectronic defect	Check component / connection / Measure resistance => only dishwashers with additional drying system	
			E:08				Function w/o heating.	Heat pump detects too low water level in sump.  Low voltage	>heat exchanger drain valve is leaky >Overturned bowls / pots in appliance? No device error!	
			E:09			E:09		Heating-circuit is intermittent (resistance, wire harness, safety relais pins on power module)	Measure heating resistance, check wires	
							Function w/o additional drying- system.	Heating-circuit additional drying system is intermittent (resistance/wire harness)	Check water hardness; if necessary decalcify and clean. On repeat change heat pump.	
			E:10					Fanelectronic defect Failure in wire to fan	Check component Connection?  => only dishwashers with additional drying system	
			E:11			E:11	Function w/o heating.	NTC-failure Failure in wire to NTC's	Measure NTC's, check wires.	
			E:12					Reserved		

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Function	Actuation	Display				Remarks			
Error class (failure group)		In Customer Se	rvice program	At Customer		stomer	Appliance behaviour in error case	Results of internal appliance check	Measures
		LED's	Display	LE	ED	Display			
		Act. Clean Sani		米	凸				
			E:13					Water temperature too high (> 75°C)	Safety measure - no failure! Check water inlet temperature .

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Function	Actuation	Display					Remarks				
Error class (failure group)		In Customer Ser	vice program		At Cust	tomer	Appliance behaviour in error case	Results of internal appliance check	Measures		
		LED's	Display	LI	ED	Display					
		Act. Clean Sani 깨 End 근		米	凸						
Filling		₹ 0 0	E:14		•	E:14	Program abort with draining	Flow sensor detects no impulses, even though circulation pump detects water.	Check wires, check flow sensor (Reed-switch)		
			E:15			E:15	Program abort with interval pumping	Safety switch base carrier active. Appliance can't be turned off.	Look / Search for cause of water in base carrier		
			E:16			E:16		Water inlet (impulses from flow sensor) w/o activation of filling valve.	Check filling valve. Check triggering of filling valve.		
			E:17			E:17	Program abort with draining	Water inlet amount according flow sensor too high	Check flow control in filling valve		
			E:18		•		Waiting for water inlet. Program abort with draining	Water inlet amount according flow sensor too low or no water intake.	Check water inlet		
Circulation pump		20202	E:19					Reserved			
			E:20			E:20	→ End of program	Wrong resistance value of circulation pump	Check wires, measure coil.		
			E:21			E:21	→ End of program	Circulation pump blocked	Check for foreign objects, if necessary renew		
Drainpump			E:22			E:22	→ End of program	Water in pump sump, because of dirt filters.	Clean filters.		
			E:23			E:23	→ End of program	Wrong resistance value of drain pump	Check wires, measure coil		
			E:24		•	E:24	→ End of program	Draining not possible. Pump cover missing?  Check valve leaky	Check water draining (hose kinked / blocked, pressure head, pump cover). Install pump cover. Inspect check valve		
			E:25		•	E:25	→ End of program	Drain pump blocked; possibly pump cover is missing	Check for foreign objects. Install pump cover		

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Function	Actuation	Display					Remarks			
Error class (failure group)		In Customer Ser	In Customer Service program		At Cus	stomer	Appliance behaviour in error case	Results of internal appliance check	Measures	
		LED's	Display	LI	ΞD	Display				
		Act. Clean Sani		米	凸					
Waterswitch			E:26				Permanent activitation of water switch	Impulses from water switch are missing despite triggering	Check wires. Measure supply voltage on motor. Check switch of water switch	
			E:27					Reserved		
Aquasensor			E:28				Function w/o aquasensor	Calibration of aquasensor not successful	Check wires. Dirt on aquasensor. Is appliance serially equipped with aquasensor?	
General			E:29				No correct functions / Bad washing/drying result possible	Lowvoltage (<190V)	No device error!	
			E:30				Dishwasher switchs off themself	Overvoltage (>290V)	No device error!	
			E:31					Reserved		
			E:32					Reserved		

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Function	Display	Remark						
	Display	Can be skipped	Time (s)	Value	Check / Measure	Remark		

## 1.1 Customer Service Program

Preparation					Remove approx. 0.5 I water from salt dispenser.	Regeneration valve must be checked for leaks at appropriate customer specifications (see also steps with display S:04 + S:17)
CoilCheck	S:00	No	approx 20			Check the drain pump. Activate the drain pump and place the water switch in the top basket position.
Check flow sensor and flow controller	S:01	No	approx . 10-100			Add 50 ml (filling valve, drainage pump and circulation pump are activated in succession).
Pause	S:02	No	10			
Fill + pump	S:03	No	approx 100			Heat exchanger is overfilled, residual quantity in the pump sump is pumped off ==> heat exchanger full (contains 3.1 I water).
Pause	S:04	No	10		Visual inspection: water level in salt dispenser.	No change to water level ==> Regeneration valve leakproof.
Fill	S:05	No	approx 40	1,5 I	Check waterinlet amount	Within of 40s should the filling amount achieved. The heat exchanger will be overfilled.
Pause	S:06	No	10		Visual inspection: water level in appliance.	Water level on upper edge of fine mesh filter (= 1.5 l in pump sump).
Fill	S:07	No	approx 60	2,5 I		Total: 4 I in appliance
Circulate	S:08	No	15			Circulation pump must not "snorkel".
Dispense (detergent)	S:09	No	10			

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## **Customer Service Program**

Function	Display	Remark				
	Display	Can be skipped	Time (s)	Value	Check / Measure	Remark
Circulate + heat + calibrate AquaSensor	S:10	Nein	110			
Circulate + heat	S:11	Yes		40 °C		Increase of temperature during heating +2.5 °C/min
Pause	S:12	No	5			
Circulate + dispense (rinse aid)	S:13	No	60			Number of impulses = set value of dispensed rinse aid
Circulate + heat + change position of water switch	S:14	Yes	approx 480	65 °C		Increase of temperature during heating +2.5 °C/min. Change every 30 s roof shower head, top basket, bottom basket.
Pump off	S:15	No	45			Tightness test of outlet valve Water-level at heat exchanger is not supposed to falling off
Drain heat exchanger	S:16	No	60			Check outlet valve
Pause	S:17	No	10		Visual inspection: water level in appliance.	Water level must be over handle of coarse filter
Pump off + drain heat exchanger + fill + regenerate	S:18	No	approx 20			Drain the complete appliance
Pause	S:19	No	10		Visual inspection: water level in salt dispenser.	Water level in salt dispenser must be increased by several cm.
Pump off + drain heat exchanger + fill	S:20	No	approx 100	41		Rinse the brine solution out of the heat exchanger and pump sump.

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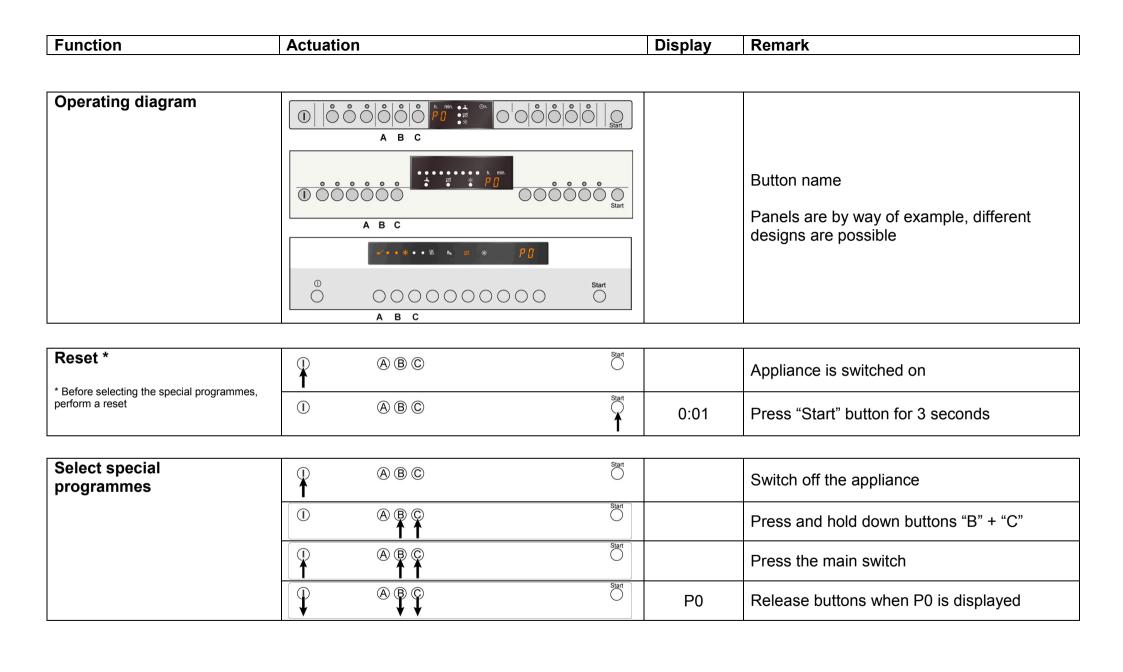
## **Customer Service Program**

Function	Display	Remark				
	Display	Can be skipped	Time (s)	Value	Check / Measure	Remark
Pump off + drain (heat exchanger)	S:21	No	30			Drain the complete appliance
Check whether appliance was drained (activates circulation pump and drain pump	S:22	No	approx 10-120			Self-check whether appliance was drained.
End of test programme	"0" on display or "End LED" is lit				Switch off main switch	Test has ended. When the appliance is next switched on, the normal rinse programme is displayed

## 1.2 Reset program

Reset			Perform reset	Is possible at any time by pressing the button "Start" for longer than 3 seconds

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Function	Actuation		Display	Remark
		_		
Select special Selection		Start	P0P7	Press button "B" until required programme is selected
			P0	Error memory
			P1	Customer service test programme
			P2	Not relevant to customer service
			P3	Not relevant to customer service
			P4	Not relevant to customer service
			P5	Not relevant to customer service
			P6	Not relevant to customer service
			P7	Demonstration programme
_				
Read out fault memory	① AB©	Start	P0	Activate: Press button "C"
	①	Start	C:00C:07	Storage space number: Hold down button "C"
	<b>*</b>		E:00E:32	Storage space contents (fault code): Release button "C"
Customer service test programme		Start	P1	Press button "B" until P1 is displayed
	(I) (A) (B) (C)	Start	S:00S:xy	Activate: Press button "C"
Skip test step		Start	S:00S:xy	Press button "B"  Not all test steps can be skipped  (see customer service test programme)

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Function	Actuation	Displa	ny Remark
End special programmes In the error memory (P0)	(A) (B) (C)	Start	Switch off main switch
In the customer service test programme (P1)	①	Start 0:0	1 Press "Start" button for 3 seconds (Reset)
	①	Start	Switch off main switch
		Start 1	
Select demonstration programme		P7	Press button "B" until P7 is displayed
	①	Start 1:2	Activate: Press button "C"
	•	,	If operation from front: Open and close door again
	Door		If operation from above: Close and open door and close again
End demonstration programme	Door		Only if operation from above: When programme is running, open door
	①	Start 0:0	Press "Start" button for 3 seconds (Reset)
		Start	Hold down buttons "B" + "C"
	(A) (B) (C)	Start	Switch off main switch

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