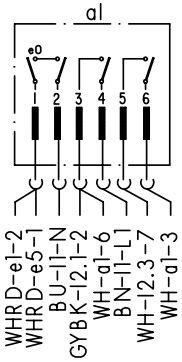
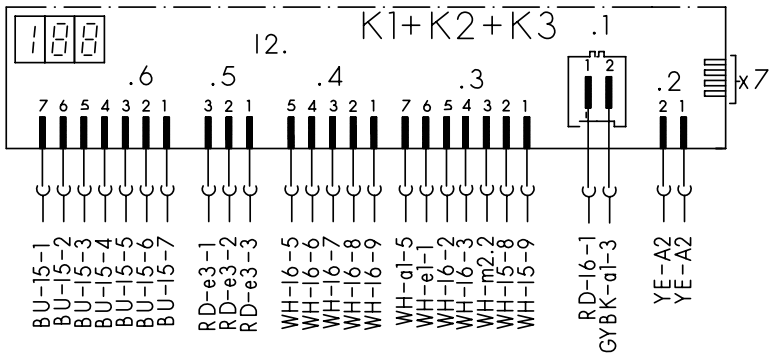
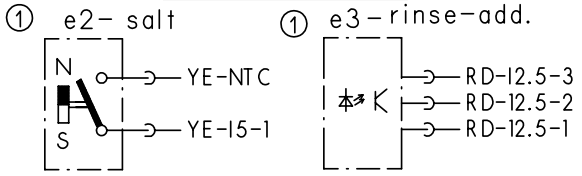
main switch



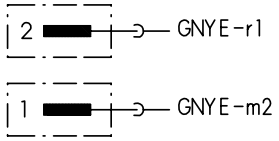
on-off and selector switch



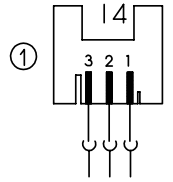
reed switch



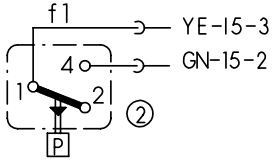
earth terminal



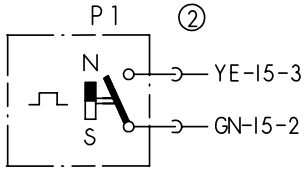
aqua-sensor



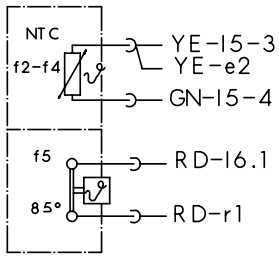
level switch



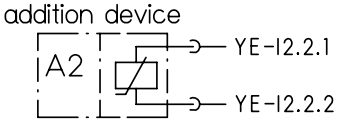
flow meter



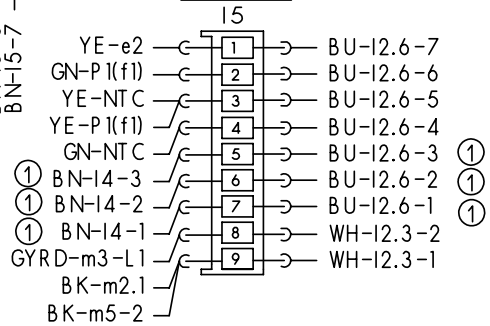
thermostat + NTC



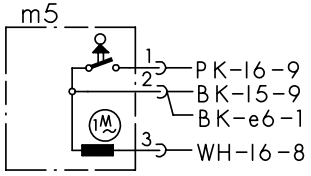
aktuator



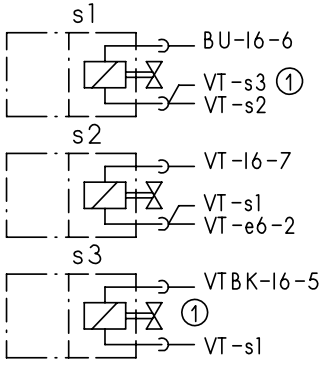
clutch



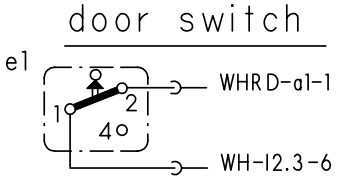
water switch



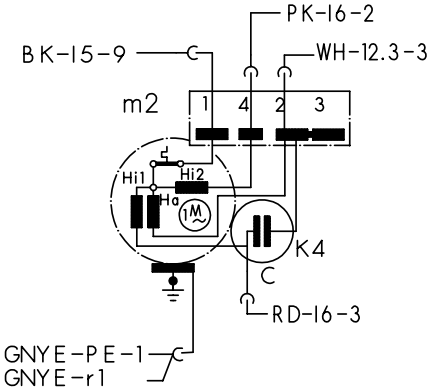
solenoid valves



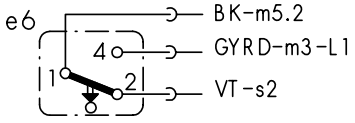
door switch



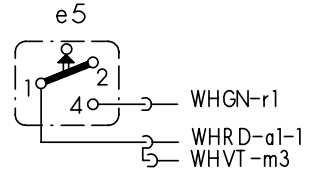
motor



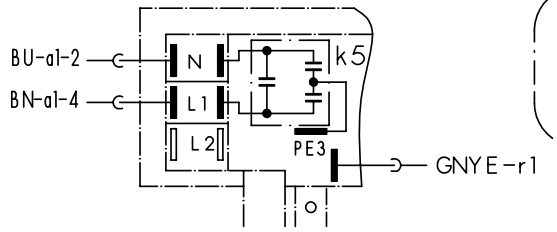
float switch



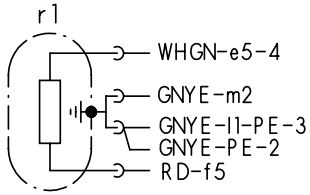
safety switch



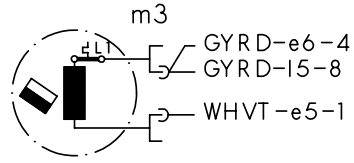
terminal I1 with interference suppression



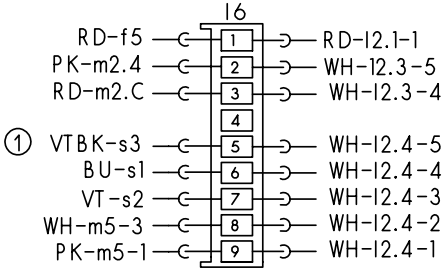
heating



drain pump



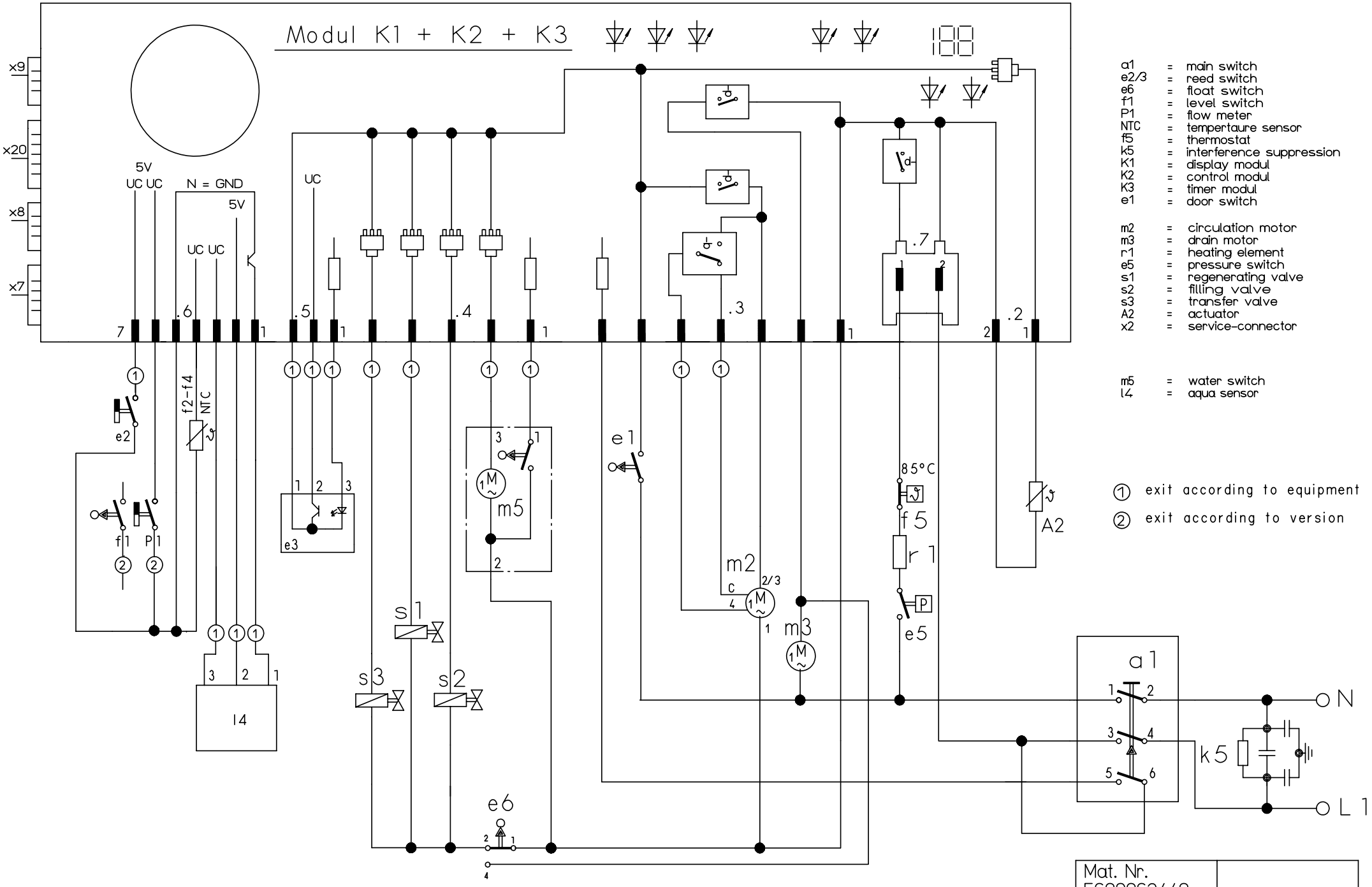
I6



① exist according to equipment
② exist according to version

GB

Mat.Nr.: 9000000820	
Ausg.: 12.03	SO-60/ 0866



a1 = main switch
e2/3 = reed switch
e6 = float switch
f1 = level switch
P1 = flow meter
NTC = tempertaure sensor
f5 = thermostat
k5 = interference suppression
K1 = display modul
K2 = control modul
K3 = timer modul
e1 = door switch

m2 = circulation motor
m3 = drain motor
r1 = heating element
e5 = pressure switch
s1 = regenerating valve
s2 = filling valve
s3 = transfer valve
A2 = actuator
x2 = service-connector

m5 = water switch
l4 = aqua sensor

① exit according to equipment
② exit according to version

Mat. Nr. 5600062449	
Ausg.: 12.03	SO-60/0865

GB

Model coding

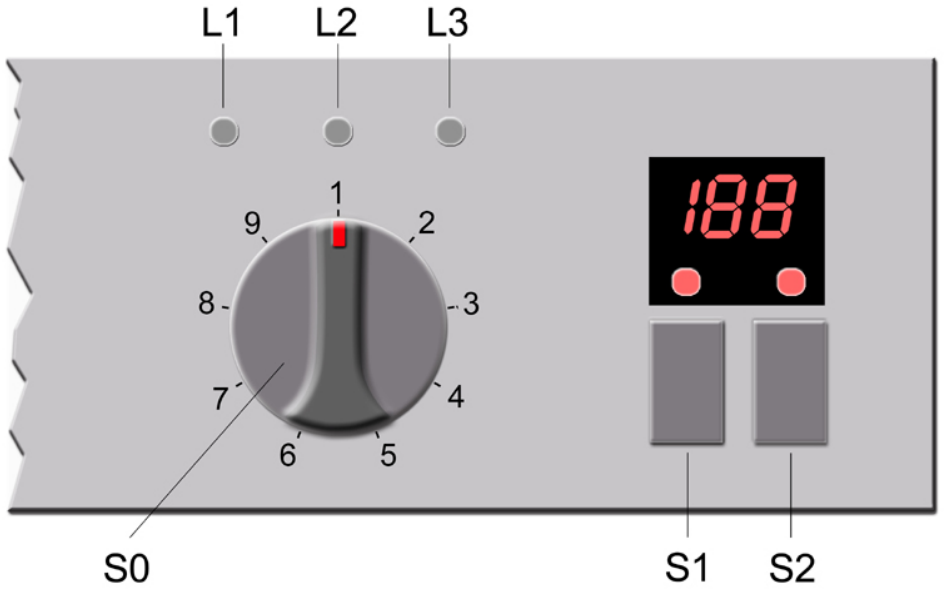
When the electronic controller has been changed, the new controller must be recoded with the appliance programmes (see table).

Selecting the model coding:

- Turn the rotary switch (S0) to position “**5**”.
- Press main switch and hold down for at least 3 sec.
- The current model coding is displayed for as long as the main switch is held down. (e.g. C2)
- Within 5 sec. turn the rotary switch (S0) clockwise until “P4” is displayed.
- After 5 sec. the model coding is activated in this position.

Selecting the model:

- Turn the rotary switch until the correct model (C1–C7) is displayed.
- Switch off the main switch, setting is saved.



Code table:

Coding position	Function button S1	Function button S2	7	8	9	1	2	3	4
C1	Time reduction	Top basket	Intensive	Normal / Auto	ECO	Quick	Prerinse	Reset	- - -
C2	Timer programming	Top basket	- - -	Normal / Auto	ECO	Quick	Prerinse	Reset	- - -
C3	Timer programming	Top basket	Intensive	Normal / Auto	ECO	Quick	Prerinse	Reset	- - -
C4	Timer programming	Top basket	Intensive	Normal / Auto	ECO	Gentle	Quick	Prerinse	Reset
C5									

Intensive 70°	Auto 55°/65°	ECO 50°	Gentle 40°	Quick 35°	Prerinse	Top basket	Timer programming

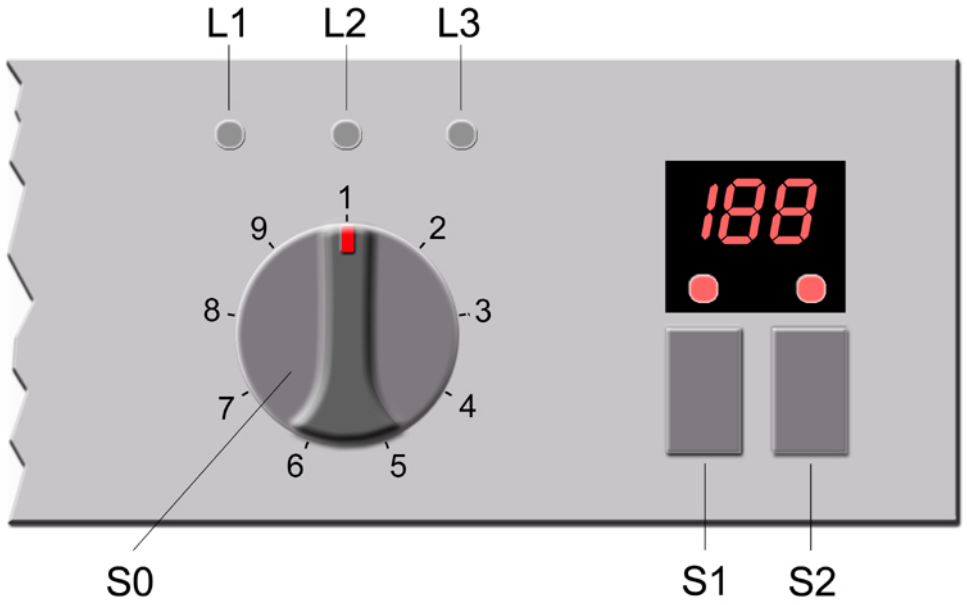
Customer service test programme

1. Selecting the model coding:

- Turn the rotary switch (S0) to position “**5**”.
- Press main switch and hold down for at least 3 sec.
- The current model coding is displayed via LEDs L1 – L3 for as long as the main switch is held down.

2. Reading out the fault memory:

- When the main switch is released, the special programme “P0” Read out fault memory is selected.
- After 5 sec. the fault memory of the last rinse cycle is displayed via LEDs L1 – L3.
- If **no** fault occurred in the last 8 rinse cycles, LEDs L2 and L3 flash slowly (0.5 Hz)



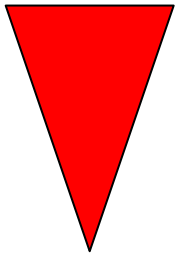
Only control units with display:

- If **no** fault occurred in the last 8 rinse cycles, LEDs L2 and L3 flash slowly (0.5 Hz) and “E0” is displayed. **No** other fault memory can be read out.
- If a fault was detected, the fault memory of the last 8 rinse cycles can be read out by pressing and releasing one of the buttons S1 or S2. When the button is pressed, the rinse cycle is displayed and when the button is released, the associated fault (see table) is displayed.

3. Starting the customer service test programme

- Read out from the fault memory position, turn the rotary switch (S0) clockwise to position “**6**”
- The customer service test programme starts automatically
- LED L3 flashes during the customer service test programme
- The current position in the customer service test programme is displayed (only control units with display)
- Each change in state of the position switch for the water points is indicated by all LEDs lighting up briefly (function test of the LEDs and the position switch)
- A fault which has occurred is indicated immediately via the display or the LEDs L1 – L3 (heating fault after 60 minutes)
- If several faults occur, only the fault with the highest value is displayed
- Following each repair a customer service test programme must be run to detect any other faults.

Fault code:

Fault code with display	Fault code without display L1	L2	L3	Fault type	Value
E01	○	○	✹	Heating fault	 high / low
E02	○	✹	○	NTC fault	
E03	○	✹	✹	Filling fault	
E04	✹	○	○	Water points cannot be positioned	
E05	✹	○	✹	- - -	
E06	✹	✹	○	Aqua sensor	
E07	✹	✹	✹	- - -	

○ = LED off ✹ = LED flashes quickly (2 Hz)

Sequence of the customer service test programme:

Pos.	Function	Temperature	Capacity	Time (s)	Symbol
00	P			15	P = Pump
01	FWW		1.5 l		FWW = Fill soft water
02	PA			5	U = Circulate
03	Reversal relay/auxiliary winding (SICASYM) + U + FWW		2.4 l	10 + X	H = Heat
04	U + H + ZR	max. 72 °C		120	ZR = Dispense detergent
05	U + H	60 °C			ZK = Dispense rinse aid
06	U + H + R	max. 72 °C		120	R = Regeneration valve
07	U + ZK			120	AS_KAL = Calibrate Aqua sensor
08	AS_KAL				WP = Alternating pump
09 -14	WP			30	SP = Intermittent pump
15	P			45	X = Calculated refill time
16	FWW			60	
17-22	SP			30	
23	P			30	
0	End				

If the rotary switch (S0) is turned clockwise during the customer service programme, it is possible to jump to the next position.
The filling positions are an exception!