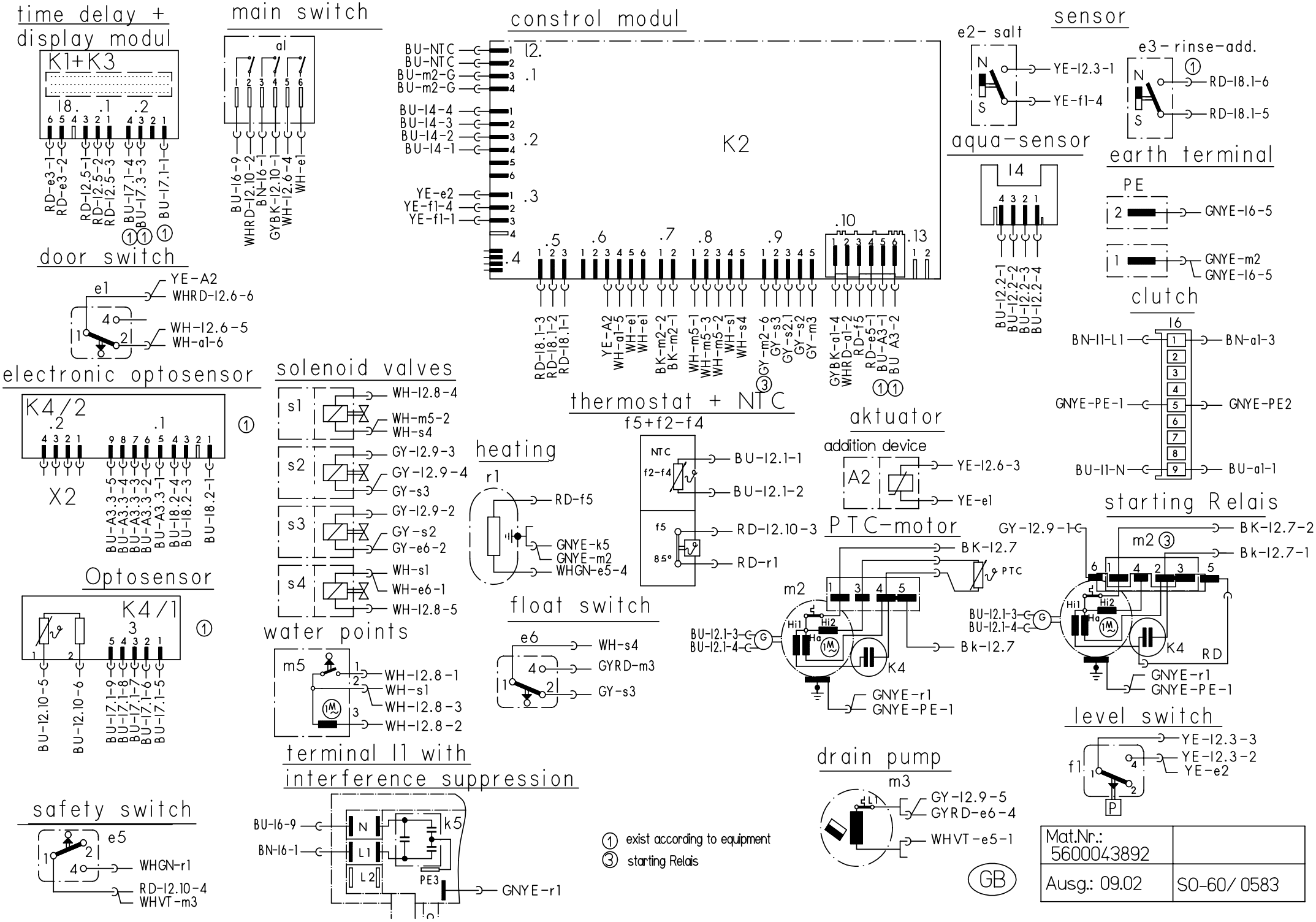
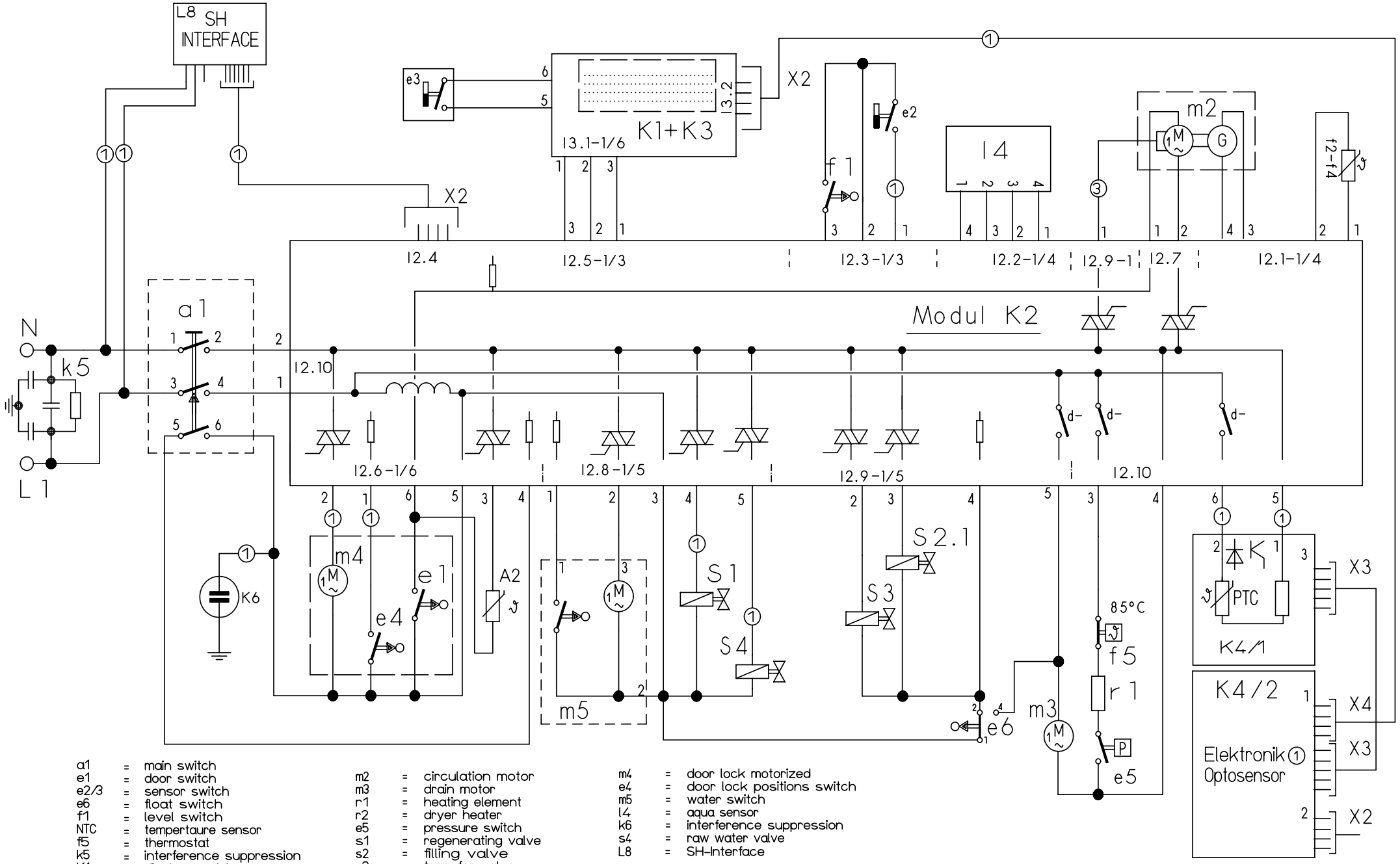

time delay + display modul
K1+K3
main switch
constrol modul
K2
sensor
e2 - salt
e3 - rinse-add.
aqua-sensor
earth terminal
door switch
clutch
electronic optosensor
K4/2
X2
solenoid valves
thermostat + NTC
f5+f2-f4
heating
aktuator
addition device
starting Relais
PTC-motor
Optosensor
K4/1
water points
float switch
level switch
terminal 11 with interference suppression
drain pump
safety switch
① exist according to equipment
③ starting Relais
GB
Mat.Nr.: 5600043892
Ausg.: 09.02
SO-60/ 0583



a1	=	main switch	m2	=	circulation motor	m4	=	door lock motorized
e1	=	door switch	m3	=	drain motor	e4	=	door lock positions switch
e2/3	=	sensor switch	r1	=	heating element	m5	=	water switch
e6	=	float switch	r2	=	dryer heater	l4	=	aqua sensor
f1	=	level switch	e5	=	pressure switch	k6	=	interference suppression
NTC	=	tempertaure sensor	s1	=	regenerating valve	s4	=	raw water valve
f5	=	thermostat	s2	=	filling valve	L8	=	SH-Interface
k5	=	interference suppression	s3	=	transfer valve			
K1	=	display modul	A2	=	actuator			
K2	=	control modul	x2	=	service-connector			
K3	=	timer modul						
K4/1	=	optosensor						
K4/2	=	electronic optosensor						

① exit according to aquipment

③ starting Relais

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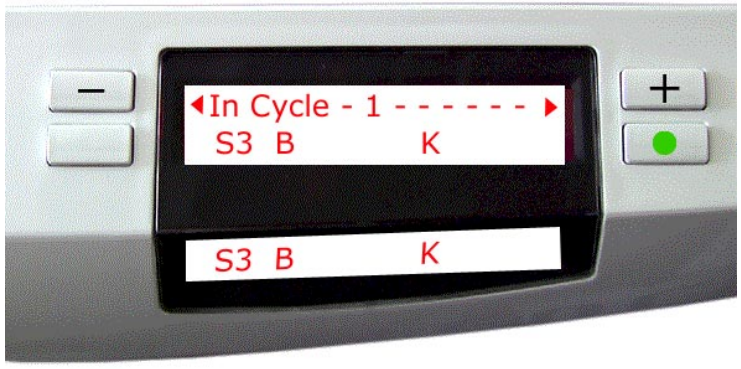
Mat. Nr. 5600031571	
Ausg.: 09.02	S0-60/ 0491

Customer-service test programme

Selecting the special programmes:
Open door; press and hold down the two buttons on the left next to the display; switch on the main switch. The selection of special programmes is displayed. Select special programme S3 with the upper buttons. The programme is started with the lower right button (Start).

The last 8 rinse cycles can be selected from the error memory by pressing the upper buttons (e.g.: in Cycle 1 = penultimate rinse cycle). The selected programme (S3) and the errors which occurred in this rinse cycle are displayed encoded on the lower line (e.g.: errors B and K have occurred in the penultimate rinse cycle).



The last 8 rinse cycles can be selected with the upper buttons ◀ / ▶.

Error codes

A = Aqua sensor calibration fault, infrared measuring distance
B = Aqua sensor calibration fault, green measuring distance
C = No tachogenerator pulses
D = Triac short-circuit, circulation pump output
E = Water points, no switching pulses
F = Filling fault
G = Triac short-circuit, water points output
H = Heater fault
I = Motor lock, no switching pulses
J = Triac short-circuit, motor lock output
K = NTC fault, interruption or short-circuit
L = – – –
M = Overtravel continuously on
N = Mains synchronisation not possible
O = Safety level detected
P = Safety level (O) detected 8 times

Close door, then start the customer service programme (see programme sequence table).
When the programme has started, each programme step and each status change of the switching contacts are acknowledged with an acoustic signal.

The selected programme (S3), the errors and the programme position are displayed on the lower line. Positions can be skipped with the upper left button (Step).
The filling positions are an exception!

The error memory can be deleted with special programme S6.

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	S0–60/0532

Customer service test programme (programme sequence)

Pos.	Function	Time [s]	Sensor	OK/UK/WS	r.p.m. UK	r.p.m. OK	r.p.m. WK	Time [s]	Time [s]	Amount
								UK	**OK**	
0	P	30								
1	Open optical sensor valve	2								
2	FWW + AS_KAL_IR + Opto_Mess_1									1.0 l
3	Pa + AS_KAL_IR	2								
4	FRW + AS_KAL_IR									1.0 l
5	Pa + AS_KAL_IR	2								
6	VF + AS_KAL_IR		f1							
7	Pa	2								
8	AS_KAL_GN	60								
9	AWT	60								
10	R	10								
11	ZR	90								
12 – 17	WWP			OK / UK						
18	Auxiliary winding reversal relay (SIKASYM)+U	10 + 20		UK	2800					
19	WWP			OK			2800			
20	U	20		OK		2000				
21	U + H	250	Max. 65 °C	WS	2500	1500	2000	15	15	
22	P	5								
23	U	5			2100					
24	P	5								
25	U	5			2100					
26	P	5								
27	U	5			2100					
28	ZK	90								
29	FWW + AWT									1.0 l
30	AWT	10								
31	P	5								
32	U	5			2100					
33	P	5								
34	U	5			2100					
35	P	5								
36	U	5			2100					
37	Opto_Mess_2	2								
38	Open optical sensor valve	2								
39	P	30								
00	End of programme									

Note: In Pos. 21 the circulation pump is actuated only at 1500 r.p.m. for top basket rinsing. At this speed the upper spray arm cannot rotate or rotates only very slowly. The position switch is actuated 4 times to position the water points whenever OK switches to UK (or UK to OK). An acoustic signal is emitted whenever the position switch is actuated.

AWT=Heat exchanger outlet valve
FRW=Fill with untreated water
FWW=Fill with soft water
H=Heater
P=Pump
Pa=Pause
R=Regeneration valve
U=Recirculate
WS=Alternate rinsing
WWP=Position water points
WK=Switch between UK / OK
VF=Prefill heat exchanger f1
ZR=Dispense detergent
ZK=Dispense rinse aid
OK=Top basket
UK=Bottom basket
MSP=Position motor lock
AS_KAL_IR=Calibrate IR Aqua sensor
AS_KAL_GN=Calibrate GN Aqua sensor
Opto_Mess = Optical sensor measurement

EN

5600 049 386	Ausg.: 08.02
GV635, Opto ab FD8206	S0–60/0702