

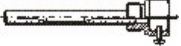
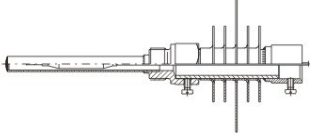
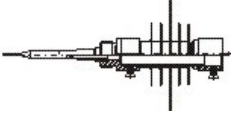

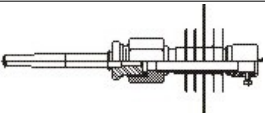
Surface-Mounted Single Thermostats, ATH Series (603021)

- Sturdy case (protection type IP54)
- Microswitch
- Self-monitoring (STB/STW)
- Safety switch-off (STB/STW)
- Tested according to DIN EN 14597



Order details

(1) Basic type	
603021	Surface-mounting thermostat, model ATH
(2) Basic type extension	
01	ATH-1 temperature controller (TR)
02	ATH-2 temperature monitor TW
20	ATH-20 safety temperature monitor STW
70	ATH-70 safety temperature limiter STB
(3) Design type	
1	With rigid thermowell
2	With capillary
(4) Control range 1	
014	-20...+50 °C
016	-10...+40 °C
021	0 to 50 °C
025	0 to 100 °C
041	20 to 90 °C
042	20...120 °C
043	20...150 °C
045	20...400 °C
046	20...500 °C
052	30 to 110 °C
062	50...200 °C
063	50...250 °C
064	50...300 °C
066	60...130 °C
(5) Switching differential	
00	Without switching differential
15	1,5 %
20	2 %
30	3 %
50	5 %
60	6 %
70	7 %
90	9 %
(6) Capillary length	
0	No capillary
1000	1000 mm
2000	2000 mm
3000	3000 mm
4000	4000 mm
5000	5000 mm
(7) Material of capillary	
00	Without capillary
20	CrNi (stainless steel)
40	Cu (copper)
(8) Process connection	
10	Plain cylindrical probe

20	Screw-in thermowell	
30	Screw-in pocket with cooling fins	
31	Screw-in pocket with cooling fins open	
42	Weld-in pocket with union nut, conical	
46	Weld-in pocket with union nut, cooling fins conical	
(9) Thread		
00	Without thread	
13	G 1/2	
14	G 3/4	
(10) Process connection material		
00	Without process connection	
20	CrNi (stainless steel)	
46	CuZn (brass)	
(11) Fitting length		
000	Without pocket (ATHf-)	
100	100 mm	
120	120 mm	
150	150 mm	
200	200 mm	
300	300 mm	
400	400 mm	
(12) Immersion tube diameter		
00	Without thermowell	
10	10 mm	
8	8 mm	
(13) Probe diameter		
6	6 mm	
8	8 mm	
(14) Extra codes		
000	Without extra code	
248	Wall bracket	
574	Microswitch with opening contact, restart lock and additional signal contact (only for STB)	
701	Die-cast aluminium housing cover	
702	Snap action contact with gold-plating	
711	Switch head fastening with 2 screws through base of housing	
764	Mounting flange in steel sheet	

Order code

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)
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Admissible control ranges according to basic type, product group 603021

Control range	TR/TW/TB	STW/STB
014	-20 to +50 °C	X
016	-10 to +40 °C	X
021	0 to 50 °C	X
025	0 to 100 °C	X
041	20 to 90 °C	X

042	20 to 120 °C	X	
043	20 to 150 °C	X	X
045	20 to 400 °C	X	X
046	20 to 500 °C	X	X
052	30 to 110 °C	X	X
062	50 to 200 °C	X	
063	50 to 250 °C	X	X
064	50 to 300 °C	X	X
066	60 to 130 °C	X	X

**DGRL**

Accessories see price sheet:

- Process Connections for Thermostats (606710)