

JUMO exTHERM-AT (605055) – Explosion-Protected Surface-Mounted Thermostat

- Can be directly applied in zones 1 and 2 or 21 and 22
- Switching capacity 16 A as standard, optionally 25 A
- Admissible ambient temperature: -60 to +70 °C
- Thermowell for zone 0 available as an accessory
- Single thermostat and double thermostat





JUMO exTHERM-AT Doppel-Thermostat



JUMO exTHERM-AT Einfach-Thermostat

Order details

(1) Basic type	
605055	JUMO exTHERM-AT
(2) Basic type extension	
0002	Temperature monitor (TW)
0020	Safety temperature monitor (STW)
0070	Safety temperature limiter (STB)
0270	Temperature monitor / safety temperature limiter (TW/STB)
2070	Safety temperature monitor / safety temperature limiter (STW/STB)
(3) Design	
5	Surface-mounted thermostat
6	Room thermostat
(4) Housing	
4	Polyester housing black (standard)
6	Stainless steel housing
(5) Control range 1	
013	-20..+40 °C
014	-20..+50 °C
026	0..120 °C
045	20..400 °C
195	0..190 °C
427	60..300 °C
429	70..190 °C
532	130..190 °C
539	140..500 °C
553	150..300 °C
(6) Limit value range (STB)	
000	For single thermostat
014	-20..+50 °C
026	0...120 °C
045	20...400 °C
195	0..190°C
427	60..300°C only STB -filling medium gas
429	70..190°C
532	130...190 °C
539	140..500°C
553	150...300 °C
(7) Contact rating	
11	AC/DC 24V, 0,1A
21	AC 230V, 16(2,5)A, cos = 1(0,6)
25	AC 230V, 25(4)A, cos = 1(0,6)
41	AC 400V, 16A
(8) Operating temperature	
340	-55 to +40°C T6 (+70°C T4) (+50°C T4 at 25 A)
467	-40 to +40°C T6 (+70°C T4) (+50°C T4 at 25 A)
(9) Switching differential	
00	Without switching differential
25	2,5 %

70	7 %	
(10) Switching differential 2		
00	Without switching differential	
25	2,5 %	
70	7 %	
(11) Capillary length		
0	0 mm	
1000	1000 mm	
3000	3000 mm	
(12) Capillary length 2		
0	0 mm	
1000	1000 mm	
3000	3000 mm	
(13) Material of capillary		
20	CrNi (stainless steel)	
(14) Process connection		
10	Plain cylindrical probe	
15	Coiled probe	
74	Mounting adapter for pocket	
(15) Probe diameter		
4	4 mm	
6	6 mm	
56	56 mm	
(16) Diameter of probe 2		
0	For single thermostat	
4	4 mm	
6	6 mm	
(17) Insertion length EL in mm		
0	Probe only	
100	100 mm	
150	150 mm	
200	200 mm	
300	300 mm	
(18) Extra codes		
000	Without extra code	
073	With SIL- and IPL-approval	
083	PESO (Indien)	
084	CCC-Ex (China)	
372	IECEX-protection accord. to IEC 60079..	
861	Protection class IP66 DIN EN 60529	

Order code

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)
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Admissible control ranges according to basic type, product group 605055

Control range	TR/TW	STW/STB
013	-20 to +40 °C	X
014	-20 to +50 °C	X
026	0 to 120 °C	X
195	0 to 190 °C	X
046	20 to 500 °C	
045	20 to 400 °C	
427	60 to 300 °C	X
539	140 to 500 °C	X
429	70 to 190 °C	X


Stock versions

Order code	Control range 1	Capillary length	Probe diame- ter	Part no.
605055/0002-6-4-013-000-21-467-25-00-0-0-20-15-56-0-0/000	-20..+40 °C	0 mm	56 mm	60003366
605055/0020-5-4-014-000-21-467-70-00-1000-0-20-10-6-0-0/000	-20..+50 °C	1000 mm	6 mm	60003365
605055/0020-5-4-026-000-21-467-70-00-1000-0-20-10-6-0-0/000	0..120 °C	1000 mm	6 mm	60003367
605055/0070-5-4-026-000-21-467-00-00-1000-0-20-10-6-0-0/000	0..120 °C	1000 mm	6 mm	60003421
605055/0070-5-4-429-000-21-467-00-00-1000-0-20-10-6-0-0/000	70..190 °C	1000 mm	6 mm	60003423
605055/0020-5-4-195-000-21-467-70-00-1000-0-20-10-6-0-0/000	0..190 °C	1000 mm	6 mm	60003424
605055/0002-5-4-195-000-21-467-25-00-1000-0-20-10-6-0-0/000	0..190 °C	1000 mm	6 mm	60003425
605055/0020-5-4-427-000-21-467-70-00-1000-0-20-10-6-0-0/000	60..300 °C	1000 mm	6 mm	60003426

Accessories see price sheet:

- ATEX Thermowells for Zone Separation 0/1 or 20/21 (605057)