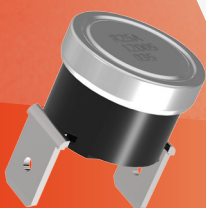


25 26 35 36

Thermal cut-out
Thermostat

Automatic or
manual reset



MICROTHERM



The **R2/R3** temperature switches are very reliable bimetal technology components, offering a long life time. The normally closed contacts open when reaching the pre-defined temperature by snapping of a bimetal disc. Temperature setting is defined through conditioning (aging, stamping, ...) of the disc. After a corresponding cooling down, the bimetal disc snaps back to the original position and closes the current circuit again (R2-series) or remains in open position until manually reset (R3-series). These R-types are perfect **surface mount components**, offering high temperature sensibility and can be used in a wide range of white goods, automotive technology, mechanical engineering, kitchen appliances.

Characteristics:

- ceramic housing for high temperatures available
- small tolerances of 3 K possible
- various caps available
- terminals in various dimensions and bending angles
- short switching and contact bounce



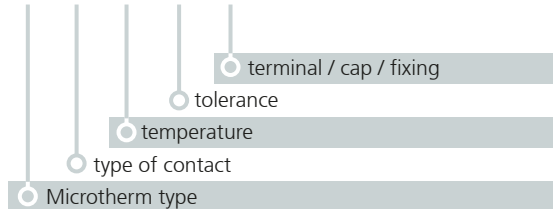
ratings		Type	R25A	R26A	R35A	R36A
reset			automatic		manual	
contact version			normally closed			
VDE	rated current at 250V AC		10 A	16 A	16 A	16 A
	switching cycles		100,000	30,000	10,000	10,000
	max. temperature range T _a (steps in 5 K)		0°C ... 150°C	0°C ... 210°C	45°C ... 150°C	45°C ... 180°C
UL	rated current at 250V AC		16 A	10 A	10 A	10 A
	switching cycles		6,000	100,000	6,000	6,000
	max. temperature range T _a (steps in 5 K)		0°C ... 160°C	0°C ... 230°C	45°C ... 150°C	45°C ... 180°C
tolerance			± 3 K (< 130°C) ± 5 K (< 210°C)		± 3 K (45°C ... 95°C) ± 4 K (96°C ... 150°C)	
feature of automatic action			1.C		2.B	1.B
contact resistance			< 30 mΩ			
hysteresis			0°C ... 130°C 10K 131°C ... 159°C 15K 160°C ... 190°C 15K 191°C ... 230°C 15K		10K ±5 K 15K ±5 K 15K ±7 K 15K ±10 K ---	
suitable for use in protection class			I, II			
approvals			EN60730-1 / -2-9			
VDE						
UL			 US			
CQC						
			GB14536.1 / GB14536.10	---	---	---

code	illustration	drawing dimension (mm)	technical description
R25A 121 B14 H131			terminals 6.3 x 0.8 mm, aluminium cap, standard bracket (loose)
R25A 121 B14 H211			terminals 6.3 x 0.8 mm, aluminium cap, small bracket (loose)
R26A 121 B14 H131			ceramic switch, terminals 6.3 x 0.8 mm, aluminium cap, standard bracket (loose)
R25A 121 A211			terminals 6.3 x 0.8 mm, fixed, raised bracket in aluminium, fixed at $\pm 30^\circ$ resp. $\pm 45^\circ$
R25A 321 D43			terminals 4.8 x 0.8 mm, screwed connections M4 x 5.5 mm, brass
R25A 111 B14 H131			bent terminals 6.3 x 0.8 mm, aluminium cap, standard bracket (loose)
R35A 121 B34			manual reset, terminals 6.3 x 0.8 mm, steel cup for low temperatures
R35A 321 A211			manual reset, terminals 4.8 x 0.8 mm, fixed, raised bracket in aluminium, fixed at $\pm 30^\circ$ resp. $\pm 45^\circ$
R35A 111 B14 H131			manual reset, bent terminals 6.3 x 0.8 mm, aluminium cap, standard bracket (loose)
R36A 121 B14 H131			manual reset, ceramic housing, terminals 6.3 x 0.8 mm, aluminium cap, standard bracket (loose)

Please contact us for the combination of various executions with regard to terminals and fixations.

Ordering example

R25 A 120 03 121 B14 H131



Marking example

R25A type R25 normally closed (UL, CQC, VDE)
12005 response temperature (120°C), tolerance ($\pm 5K$)
056 date of manufacture (May 2016)

or:

R25A type R25 normally closed (VDE, UL, CQC)
--123 drawing number (range 001 to 999)
066 date of manufacture (June 2016)



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