

Thermal cut-out thermostat
Automatic or manual reset

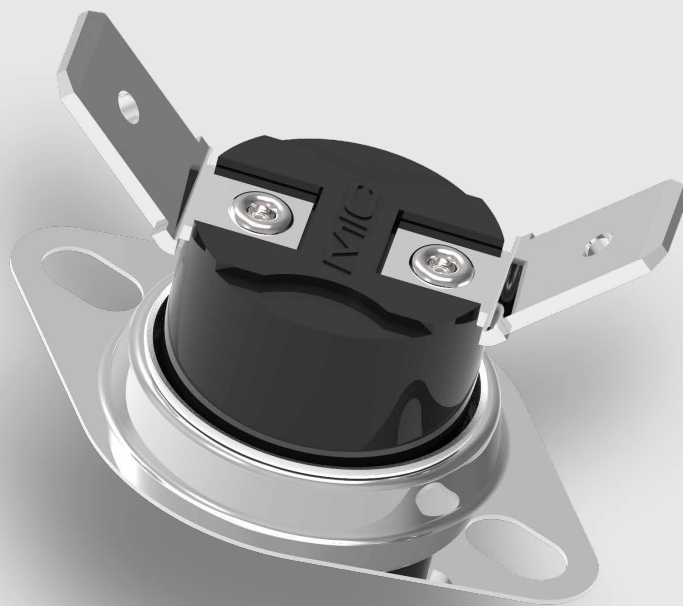
R

25

26

35

36



Applications

- Cooking devices
- Electric grill
- Heaters and heating Elements
- Antifreeze
- Diesel preheating (automobile)

Benefits

- High current and high temperatures
- Low tolerances up to $\pm 3K$
- various attachments
- Low hysteresis up to 10K
- Up to 100,000 circuits

Description

Switches of the **R series** are extremely robust switches with universal characteristics: they can be used as temperature monitors and controllers, current-capable up to 16 A, specifically adjustable hysteresis and low tolerances up to $\pm 3\text{K}$.

The plastic housing, the floor and the fastening are tension-free. The heat is applied directly to the thermo-bimetallic snap-disc via the contact surface (bottom), and thus allows a very rapid reaction. The connections vary in dimensions and mounting angles (0 - 90°).

Types R25 and R26 are automatically resetting, whereas types R35 and R36 are manual-resetting switches.

Delivery quantities from 2,000 pcs.

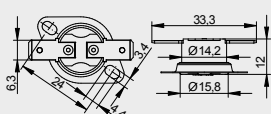
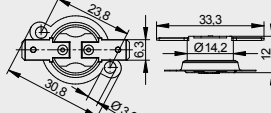
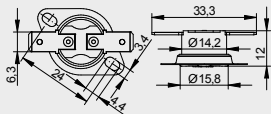
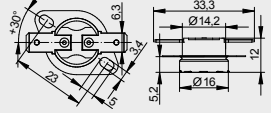
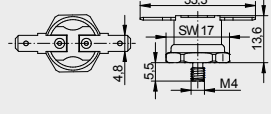
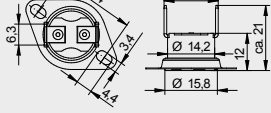
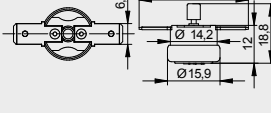
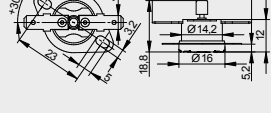
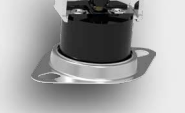
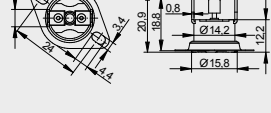
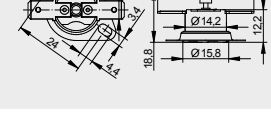


Technical data

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) ¹⁾		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 ²⁾	VDE		EN60730-1 / -2-9			
	UL		UL60730-1, UL60730-2-9, UL873, CAN/CSA-E60730-1, CAN/CSA-E730-2-2 / -2-9			
	CQC		GB14536.1 / GB14536.10	---	---	---

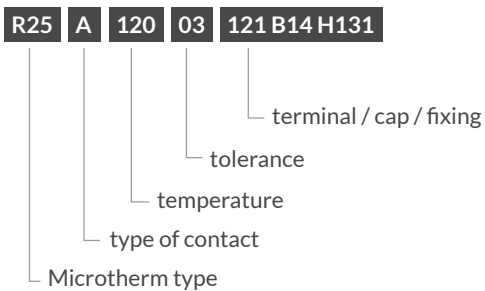
¹⁾ Weitere Nenntemperaturun auf Anfrage möglich ²⁾ Deviations possible for individual designs

Versions

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 H221			terminals 6.3 x 0.8 mm, aluminium cap, standard 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



Marking

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

or:

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

Microtherm Sentronic GmbH

Taschenwaldstraße 3
75181 Pforzheim
Deutschland
Tel.: +49 7231 787-0
Fax: +49 7231 787-155
info@microtherm.de
www.microtherm.de



MICROTHERM
sentronic